CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Aug. 22	Garfield Heights (Cleveland P. O.), O.	Aug. 18
Aug. 24	Baltimore, Md.	Aug. 11
Aug. 27	Lancaster, Cal.	Aug. 18
Aug. 29	Carthage, N. Y. Adv. Aug. 11 and 18.	Aug. 11
Sept. 1	Verona, Pa.	July 21
Sept. 1	Buffalo, N. Y. Adv. Aug. 18.	Aug. 18
Sept. 6	Kittaning, Pa. Adv. Aug. 18.	Aug. 18

SEWERS

Aug. 22	Casper, Wyo.	Aug. 11
Aug. 22	Wash., D. C. Adv. Aug. 11 and 18.	Aug. 11
Aug. 22	Green Bay, Wis.	Aug. 18
Aug. 22	Cincinnati, O.	Aug. 18
Aug. 23	Burbank, Cal.	Aug. 11
Aug. 24	McGregor, Ia.	Aug. 18
Aug. 24	Rock Rapids, Ia.	Aug. 18
Aug 24	Long Island City, N. Y.	Aug. 18
Aug. 25	Clarksville, Ark.	Aug. 18
Aug. 25	Ottumwa, Ia.	Aug. 18
Aug. 26	Morrison, Ill. Adv. Aug. 18.	Aug. 18
Aug. 26	Detroit Mich.	Aug. 18
Aug. 30	Monroe, Mich. Adv. Aug. 18.	Aug. 18
Sept. 6	Canton, S. D.	Aug. 18
Sept. 6	Opelousas, La.	Aug. 18
Sept. 6	St. Louis, Mo.	Aug. 18

BRIDGES

Aug. 19	Cobleskill, N. Y. Adv. Aug. 4 to 18.	Aug. 4
Aug. 23	North Carolina	Aug. 11
Aug. 23	Trenton, N. J.	July 28
Aug. 23	Valley City, Ill. Adv. Aug. 11 and 18.	Aug. 11
Aug. 23	Illinois	Aug. 18
Aug. 23	Cincinnati, O.	Aug. 18
Aug. 24	New Jersey Adv. Aug. 11 and 18.	Aug. 11
Aug. 24	Cleveland, O.	Aug. 11
Aug. 24	Waterloo, N. Y.	Aug. 18
Aug. 24	Rexford, N. Y.	Aug. 18
Aug. 25	Streator, Ill. Adv. Aug. 11 and 18.	Aug. 18
Aug. 26	Wellington, Kan.	Aug. 11
Aug. 29	Pittsburgh, Pa.	Aug. 18
Aug. 29	Michigan	Aug. 18
Aug. 30	Kelso, Wash.	July 28
Aug. 31	New Jersey Adv. Aug. 18.	Aug. 13
Sept. 3	Madison, W. Va.	Aug. 18
Sept. 7	Kingman, Kan.	June 30

Bids Close		See Eng. News-Record

EXCAVATION AND DREDGING

Aug. 22	Mt. Ayr, Ia.	Aug. 18
Aug. 23	Redwood Falls, Minn.	Aug. 11
Aug. 24	Windom, Minn.	Aug. 18
Aug. 24	Sheboygan, Wis.	Aug. 18
Aug. 25	Benton, Mo.	Aug. 4
Aug. 25	Emmetsburg, Ia.	Aug. 18
Aug. 31	Newton, Ill Adv. Aug. 18.	Aug. 18
Sept. 6	Mason City, Ia.	Aug. 11
Sept. 8	Aitken, Minn.	Aug. 18

STREETS AND ROADS

Aug. 22	Watertown, S. D.	Aug. 11
Aug. 22	Louisiana	Aug. 11
Aug. 22	Eagle River, Mich.	Aug. 11
Aug. 22	North Carolina	Aug. 11
Aug. 22	Wash., D. C.	Aug. 11
Aug. 22	Santa Barbara, Cal.	Aug. 18
Aug. 22	San Diego, Cal.	Aug. 18
Aug. 23	Worthington, Minn.	Aug. 4
Aug. 23	Anoka, Minn.	Aug. 4
Aug. 23	North Carolina	Aug. 11
Aug. 23	Kentucky	Aug. 11
Aug. 23	Springfield, Ill.	Aug. 18
Aug. 23	Ottawa, Kan.	Aug. 18
Aug. 23	Carthage, Mo.	Aug. 18
Aug. 23	Ionia, Mich.	Aug. 18
Aug. 23	Mamaroneck, N. Y. Adv. Aug. 18.	Aug. 18
Aug. 23	Illinois	Aug. 18
Aug. 24	Delaware Adv. Aug. 4 and 18.	Aug. 4
Aug. 24	Rhode Island Adv. Aug. 11 and 18.	Aug. 11
Aug. 24	Camden, Ark.	Aug. 11
Aug. 24	Cleveland, O.	Aug. 18
Aug. 24	Bad Axe, Mich.	Aug. 18
Aug. 24	Colorado	Aug. 18
Aug. 24	Weehawken, N. J.	Aug. 18
Aug. 24	Long Island City, N. Y.	Aug. 18
Aug. 24	St. George, S. I., N. Y.	Aug. 18
Aug. 24	New York, N. Y.	Aug 18
Aug. 25	Ontario	Aug. 11
Aug. 25	Carthage, Mo.	Aug. 18
Aug. 25	Bessemer, Mich.	Aug. 18
Aug. 25	Anderson, S. C.	Aug. 18
Aug. 25	Virginia	Aug. 18
Aug. 25	Walhalla, S. C.	Aug. 18
Aug. 25	West Hoboken N. J.	Aug. 18
Aug. 26	Wellington, Kan.	Aug. 4
Aug. 26	Ontonagon, Mich.	Aug. 18
Aug. 26	Wellington, Kan.	Aug. 18
Aug. 26—New York Adv. Aug. 18.		Aug. 18
Aug. 26	Ohio	Aug. 18
Aug. 26	Gaylord, Minn.	Aug. 18
Aug. 27	Crockett, Tex.	Aug. 18
Aug. 27	Benwood, W. Va.	Aug. 18
Aug. 29	Ft. Worth, Tex.	Aug. 18
Aug. 29	Quitman, Tex.	Aug. 18
Aug. 29	Seattle, Wash.	Aug. 18
Aug. 29	California	Aug. 18
Aug. 29	Louisiana	Aug. 18
Aug. 30	Troy, Kan.	Aug. 4

Bids Close		See Eng. News-Record
Aug. 30	Washington	Aug. 18
Aug. 30	Durham, N. C.	Aug. 18
Aug. 30	Maryland Adv. Aug. 18.	Aug. 18
Aug. 30	New Mexico	Aug. 18
Aug. 31	Hiawatha, Kan.	Aug. 4
Aug. 31	New Jersey Adv. Aug. 18.	Aug. 18
Sept. 1	Fairmont, Minn.	Aug. 11
Sept. 2	Ottawa, Kan.	Aug. 4
Sept. 2	Rolling Fork, Miss.	Aug. 18
Sept. 6	Seattle, Wash.	Aug. 18
Sept. 6	Burlington, N. J.	Aug. 18
Sept. 6	Minneapolis, Minn.	Aug. 18
Sept. 9	Alabama	Aug. 18

INDUSTRIAL WORKS

Aug. 23	Eldon, Mo.	Aug. 18
Aug. 23	Milwaukee, Wis.	Aug. 18
Aug. 23	St. Louis, Mo.	Aug. 18
Sept. 7	Harrisburg, Pa. Adv. Aug. 18.	Aug. 18

BUILDINGS

Aug. 22	Detroit, Mich.	Aug. 18
Aug. 22	Houston, Tex.	July 28
Aug. 22	Meadville, Pa.	July 28
Aug. 22	Cleveland, O.	Aug. 4
Aug. 22	Barnum, Ia.	Aug. 11
Aug. 22	Lewiston, Me.	Aug. 11
Aug. 22	Hull, Mass.	Aug. 18
Aug. 23	Cairo, W. Va.	Aug. 18
Aug. 23	Des Moines, Ia.	Aug. 18
Aug. 23	Fraser, Mich.	Aug. 18
Aug. 23	Fremont, Neb.	Aug. 18
Aug. 24	Charleston, S. C.	Aug. 11
Aug. 24	South St. Paul, Minn.	Aug. 11
Aug. 25	Detroit, Mich.	Aug. 18
Aug. 25	Milwaukee, Wis.	Aug. 18
Aug. 26	Kansas City, Mo.	Aug. 11
Aug. 27	Augusta, Kan.	July 21
Aug. 27	Hoytville, O.	Aug. 11
Aug. 27	Magee, Miss.	Aug. 18
Aug. 29	Cleveland, O.	Aug. 4
Aug. 29	Nashville, Tenn.	Aug. 11
Aug. 29	Struthers, O.	Aug. 18
Aug. 30	Mt. Vernon, Ind.	Aug. 4
Aug. 30	Webster City, Ia.	Aug. 11
Aug. 30	Fairfield, Ia.	Aug. 18
Aug. 30	Philadelphia, Pa.	Aug. 18
Aug. 30	Malden, Mass.	Aug. 18
Sept. 1	Bascom, O.	Aug. 4
Sept. 1	Detroit, Mich.	Aug. 18
Sept. 1	Colorado	Aug. 18
Sept. 1	Detroit, Mich.	Aug. 18
Sept. 1	Blanford, Mass.	Aug. 18
Sept. 1	Upper Darby, Pa.	Aug. 18
Sept. 1	Mahanoy City, Pa.	Aug. 18
Sept. 6	Lincoln, Neb.	July 21
Sept. 6	Mankato, Minn.	Aug. 18
Sept. 9	Ravenna, O.	Aug. 4
Sept. 16	Great Bend, Kan.	Aug. 11
Sept. 16	Kearney (Arlington P. O.) N. J. Adv. Aug. 18.	Aug. 18
Oct. 1	Williamsport, Pa.	Aug. 4

Bids Close — See Eng. News-Record

FEDERAL GOVERNMENT WORK

Aug. 22 **Dredging—Detroit, Mich.**...July 28
Adv. July 28 to Aug. 18

Aug. 22 **Dredging—Phila., Pa.**.....July 28

Aug. 22 **Buildings—Norfolk, Va.** ....Aug. 4

Aug. 22 **Dredging — Los Angeles, Cal.** .....Aug. 11

Aug. 23 **Building, Wash., D. C.** ....Aug. 4

Aug. 24 **Mechanical Equipment—Boston, Mass.** .....Aug. 11

Aug. 26 **Mailing Shed.—Monmouth, Ill.** .....Aug. 18
Adv. Aug. 18.

Aug. 29 **Alterations to Post Office — Eugene, Ore.** .....Aug. 11

Aug. 29 **Reservoir—Chicago, Ill.**...Aug. 18

Aug. 30 **Hospital—Lake City, Fla.** ..Aug. 4

Aug. 31 **Dredging, Detroit, Mich.** ...Aug. 4

Aug. 31 **Sprinkler System—Charleston, S. C.** .....Aug. 11
Adv. Aug. 11 and 18.

Aug. 31 **Ash Bunker, Power House Extension, etc.—Annapolis, Md.** .....Aug. 11
Adv. Aug. 11 and 18.

Aug. 31 **Gun Shed—Norfolk, Va.**....Aug. 11
Adv. Aug. 11 and 18.

Sept. 2 **Barges—Pittsburgh, Pa.**...Aug. 11
Adv. Aug. 11 and 18.

Sept. 5 **Wreck Removal — Norfolk, Va.** .....Aug. 11
Adv. Aug. 11 and 18.

Sept. 5 **Steel Barges — Memphis, Tenn.** .....Aug. 11
Adv. Aug. 11 and 18.

Sept. 7 **Dredging—Phila., Pa.**
Adv. Aug. 11 and 18.

Sept. 7 **Quay Wall Extension—San Diego, Cal.** .....Aug. 11

Sept. 7 **Riprapping Dike — Mare Island, Cal.** .....Aug. 11

Sept. 7 **Dredging and Filling, etc.—San Diego, Cal.** .....Aug. 11

Sept. 7 **Crane—South Boston (Boston P. O.), Mass.** .....Aug. 11

Sept. 7 **Crane — Puget Sound, Wash.** .....Aug. 11

Sept. 14 **Pumping Units — Denver, Col.** .....July 28

Sept. 15 **Airship Hangar—Belleville, Ill.** .....Aug. 18
Adv. Aug. 18.

Sept. 21 **Machine Shop—Pearl Harbor, H. T.** .....Aug. 11

Sept. 22 **Emergency Dams — Seattle Wash.** .....Aug. 11
Adv. Aug. 11 and 18.

MISCELLANEOUS

Aug. 22 **Dock Wall, etc. — Buffalo, N. Y.** .....Aug. 11

Aug. 22 **Asphalt—St. Paul, Minn.**...Aug. 18

Aug. 23 **Dock—Mamaroneck, N. Y.**..Aug. 18
Adv. Aug. 18.

Aug. 23 **Electric Lighting System—Jackson, Minn.** .....Aug. 18

Aug. 24 **Gyratory Crusher, etc.—New York, N. Y.** .....Aug. 18

Aug. 26 **Incinerators, Phila., Pa.** ....Aug. 4
Adv. July 28 to Aug. 18.

Aug. 26 **Ferry Landing—Palmyra, N. J.** .....Aug. 4

Aug. 26 **Breakwater—Ft. William, Ont.** .....Aug. 4

Aug. 26 **Steam Generating Equipment —Hammond, Ind.** .....Aug. 11

Aug. 26 **New York** .....Aug. 18

Aug. 30 **Stations—Phila., Pa.**.....Aug. 18

Aug. 31 **Culverts, etc.—New Jersey** Aug. 18
Adv. Aug. 18.

Sept. 1 **Incinerators — Houston, Tex.** .....Aug. 18

Sept. 1 **Wharf and Transit Shed—Houston, Tex.** .....Aug. 18

Sept. 2 **Motor Truck, Wauwatosa, Wis.** .....Aug. 18

Sept. 7 **Dredge—Belzoni, Miss.**....Aug. 11
Adv. Aug. 11 and 18.

Sept. 9 **Piers—Phila., Pa.** .....Aug. 18
Adv. Aug. 18.

Sept. 12 **Garbage Disposal—Providence, R. I.** .....Aug. 11
Adv. Aug. 11 and 18.

Sept. 17 **Railway Ties — Toronto, Ont.** .....Aug. 11

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

W. Va., Elkin—City election Aug. 27, to vote on $125,000 bonds to improve and extend waterworks system, work includes new filtration and pumping plants, additions to reservoir, and extensions to mains. H. G. Kump, mayor.

Tenn., Nashville—City election in September to vote on $500,000 bonds to extend water mains to outlying districts of city. P. F. Treanor, water comr.

Ill., Macomb—City plans to enlarge waterworks and laying new mains. About $40,000. B. W. McLean, Mayor. Engineer not selected.

Ill., West Hammond (Hammond, Ind., P. O.)—City having plans prepared laying 6 and 8-in. water mains. About $25,000. H. A. Stockowiez, clk. W. F. Bridge, Reinbeck Bldg., engr.

Tex., Crowell—City plans to construct complete waterworks system, including machinery, pumping plant, reservoir, mains, etc. Bonds for $100,000 voted for project. L. Noland, Crowell, engr.

BIDS DESIRED

N. Y., Buffalo—Until Sept. 1, at office of A. W. Kreinheder, comr. Pub. Wks., Municipal Bldg., furnishing and installing three high pressure centrifugal steam turbine-driven fire pumps at Col. Francis G. Ward Pumping Sta.; advertised in this issue.

Pa., Kittaning—Until Sept. 6, by Armstrong Water Co., c/o W. H. Boardman, engr., 326 Walnut St., Phila., installing mechanical filteration plant; advertised in this issue.

O., Garfield Heights (Cleveland, P. O.)—Until Aug. 22, by village installing 11,955 ft. 8 in. c. i. water mains in Turney Rd. Former bids rejected. R. Hecker, Leader-News Bldg., Cleveland, engr. Noted Aug. 4.

Wis., Cedarburg—Until Aug. 30, by F. Schuette, city clk., building waterworks system including (1) drilling 10-12 in. well, 1,200 ft. deep, (2) rein.-con. reservoir 42 ft. in diameter, 15 ft. deep, (3) 1 air compressor, air tank and motor driven centrifugal pump, (4) 20 x 26 ft. brick pumping station, (5) 610.9 ton x 4-10 in. c.i. pipe, 26,461 lb. castings, 56 fire hydrants with steamer nozzles and forty-four 2-10 in. valves, etc., (6) 5,000 cu.yd. rock excav., laying 35,286 ft. 6-12 in. vitr. pipe sewers, and 38,439 ft. 2-10 in. water pipe, etc., (7) 50,000 gal. steel tank on 90 ft. steel tower, concrete foundation, (8a) 2 sewage disposal tanks, (8b) sewage pumping station and pneumatic ejector. W. G. Kirchoffer, 22 North Carroll St., Madison, engr.

Ark., Clarksville—See "Sewers."

Cal., Lancaster—Until Aug. 27, by Bd. Supervs. Los Angeles Co., (Los Angeles) constructing waterworks system here. About $60,000.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

6 in. water mains in Raymond St. and 1,500 ft. in Clark St., 100 ft. 8 in. in Sherman St., and 12 ft. in Skeel St. Work involves 108 ton c.i. pipe. Work will be done by day labor. F. P. Cobb, City Hall, engr.

★N. J., Gloucester—Remington & Vosbury, engrs., 6th and Market Sts., Camden, let following contracts for reconstruction water works and pumping station, standpipe to Chicago Bridge & Iron Co., 30 Church St., New York City, $16,450; sediment basin, foundations and pumping station building, to Nelson Pedley Co., Lincoln Bldg., Phila., $34,900; machinery and piping, to Electric Power & Eng. Co., Phila., $39,000; 2 wells, to Artesian Well Drilling Co., Real Estate Trust Bldg., Phila., $4,000. Noted July 21.

O., Berea—Village received bids for filter equipment, steel tank, coal conveyor, concrete basin, filter beds and filter house, from Burnett Constr. Co., Columbus, $14,900; Serv. Constr. Co., 6110 Euclid Ave., Cleveland, $15,500; Hunkin-Conkey Constr. Co., Century Bldg., Cleveland, $15,600. Noted April 7.

★Minn., Willmar—City let contract extending water works system, to Rahr & Pratt, Pipestone, $15,456. Noted July 21.

Sewers

PROPOSED WORK

N. J., Palmyra—Palmyra Twp. receives bids in September building 10 mi. 8-30 in. terra cotta sanitary and storm sewers in all streets. About $50,000. Remington & Vosbury, 6th and Market Sts., engrs.

Tenn., Lebanon—City having plans prepared for sewerage system. Bonds for $200,000 voted for project. B. H. Klyce, 712 Fourth and First Natl. Bank Bldg., Nashville, consult. engr.

O., Columbus—City having plans prepared for sanitary sewerage system to connect with sewers here and to reach municipalities of Upper Arlington, Grandview and Marble Cliff, as well as considerable territory which is not in any municipality. About $185,000. R. H. Simpson, city engr.

Ill., Elmhurst—City having plans prepared laying 8-12 in. vitr. tile sewers in various streets. About $25,000. F. M. Neuman, clk. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Ill., Mt. Olive—City having plans prepared building combination storm and sanitary sewers in various streets. About $35,000. W. Meyer, mayor. Holbrook, Warren & Andrew, Decatur, engrs.

Ia., Sioux City—City having plans prepared building sewers in various streets, north of Morningside Ave., involving 40,700 lin. ft. 8-10 in. sewer pipe, 95 standard brick manholes, etc. About $40,000. A. M. Schott, city engr.

S. D., Canton—City having plans prepared building storm sewers in various streets. About $25,000. G. Hokenstad, clk. Smith & Reeves, Mitchell, engrs.

S. D., Mitchell—City plans to build lateral sewers in various streets. About $30,000. F. McGovern, aud., F. J. Hansen, Mitchell, engr.

Ont., London—City Council having plans prepared for sewage disposal plant. About $200,000. Prices wanted on materials and equipment. H. A. Brazier, City Hall, engr.

BIDS DESIRED

N. Y., Long Island City—Until Aug. 24, by M. E. Connolly, pres. Queens Boro, 68 Hunterspoint Ave., building sewers in (1) Central Ave. from Proctor St. to Weisse Ave., Morton Ave. from Central to Metropolitan Aves., 2nd Ward, (2) Manor Ave. from Fulton St. to Atlantic Ave., 4th Ward, (3) Metropolitan Ave. from 130th St. (Maure Ave.) to 127th St. (North Wickes Pl.), 129th (Ambrose) St. from Metropolitan Ave. to Kew Gardens Rd., 127th St. (North Wickes Pl.) from Metropolitan Ave. to Kew Gardens Rd., 4th Ward; receiving basins in four corners of Boulevard and Bodine St., 1st Ward.

La., Opelousas—Until Sept. 6, by Bd. Aldermen, building sewers in Grolee St. E. L. Loeb, mayor.

O., Cincinnati—Until Aug. 22, by Director Pub. Serv. building 2,380 ft. 18-66 in. brick, concrete or segmental block sewer in Millsdale St., etc. About $47,100. W. Sullivan, City Hall, engr.

Mich., Detroit—Until Aug. 26, by Dept. Pub Wks., constructing 3,500 ft. sewer in Sect. 2 Highland Park Arm in 3rd Ave. from Edison Ave. to city line; 5,178 ft. in Jos. Campau Ave. and Dunn Rd. from Harper to Conant Aves.; 4,449 ft. Sect. 5 Bates St. in Brush St. from Piquette to Euclid Aves.; 3,395 ft. in Gratiot Ave. from Joann Rd. to Linhurst Ave.; 3,480 ft. Marquette Ave. arm in Marquette Ave. from Lincoln Ave. to 16th St.; 3,115 ft. Van Dyke Ave. Arm, Lynch Rd. Sewer, from Lynch Rd. to Forest Lawn Ave., all sewers must be constructed in tunnel and may be of brick or monontnic concrete. C. W. Hubbell, city engr.

Mich., Monroe—Until Aug. 30, by F. M. Kressbach, city clk., building Borgess St. storm sewerage system; advertised in this issue.

Sewers (Continued)

Ill., Morrison—Until Aug. 26, by Sewer Dept., at City Hall, constructing sewers in Genesee Ave. and East Winfield St. E. O. Hills, engr.; advertised in this issue.

Ill., Springfield—Until Aug. 23, by city, c/o A. T. Baumann, mayor, laying 12 in. glazed sewer pipe in Carpenter St. About $25,000. W. Seeley, 102 East Cook St., engr.

Wis., Green Bay—Until Aug. 22, by W. Kerr, city clk., building 7,232 lin. ft. 6-18 in. vitr. pipe sewers in various streets,.

Ia., McGregor—Until Aug. 23, by city, building sanitary sewers, involving 7,225 lin.ft. 6-8 in. pipe, 12 manholes, 3 flush tanks and watermain extension, involving 1,200 lin.ft. 4 in. c.i. pipe and 4 hydrants. About $25,000. Tschirgi & Sons, 712 Amer. Trust Bldg., Cedar Rapids, engrs.

Ia., Ottumwa—Until Aug. 25, by city, c/o M. A. Sheehan, clk, laying 10-15 in. tile sewer pipe in various streets. About $25,000. J. T. Brady, city engr.

Ia., Rock Rapids—Until Aug. 24, by city, building sanitary sewers in various streets, involving 7,116 lin.ft. 8-15 in. pipe, 15 manholes, 3 flush tanks, etc. About $25,000. J. K. Medbury, clk.

S. D., Canton—Until Sept. 6, by city, building 3,905 lin. ft. 24-36 in. storm sewers in various streets. About $25,000. Smith & Reeves, Mitchell, engrs.

Mo., St. Louis—Until Sept. 6, by city, building 547 ft. 9 in. circular outlet sewer in Hodiamont Ave. Sewer Dist. 1, Letting 1218. About $25,000. E. R. Kinsey, clk. Private plans.

Ark., Clarksville—Until Aug. 25, by Bd. Pub. Impvts., furnishing and laying 11,000 lin. ft. 6 and 8 in. vitr. sewers, and 21 concrete manholes, 4 ft. diameter, also 11,000 lin. ft. 4 and 6 in. c.i. water mains, 16 standard 4 in. fire hydrants. About $25,000. W. L. Winters, Merchants Bank Bldg., Ft. Smith, engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., West Roxbury** (Boston P. O.) City let contract building sewerage system in Glendale Rd. Sect. 1 and North Ave., to A. Barnfaldi, Somerville, $46,554.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., opened bids Aug. 12, building sewers in (1) 76th St. (Lott Ave.) from 88th Ave. (Syosset St.) to Jamaica Ave., (Rector) 77th St. from 90th Ave. (Clinton Pl.) to Jamaica Ave., etc., (2) 76th St. (Lott Ave.) from 88th Ave. (Syosset St.) to Jamaica Ave., etc., (3) 76th St. (Lott Ave.) from 88th Ave. (Syosset St.) to Jamaica Ave., etc., (4) Ferguson St. from 51st St. to Tiernan Ave., Roosevelt Ave. from 51st to De Peyster Sts., from F. Frey, 818 Ocean Parkway, Brooklyn, (1a) $36,493; H. J. Mullen Contg. Co., Fulton St. and Twombly Pl., Jamaica, (1a) $37,367, (1b) $37,471, (2a) $45,831, (2b) $45,726; Green Contg. Co., 734 Vernon Ave., Astoria, (1a) $37,990, (1b) $36,664, (2a) $46,375, (2b) $45,836, (4a) $124,424, (b) $122,497; A. Paino, Corona, (1b) $34,084, (2b) $37,829; G. L. Schrade, (2a) $51,494, (2b) $49,170; F. J. Clancy, 460 Lockwood St., Astoria, (3a) $40,783; F. Spinella, 142 Jefferson St., Brooklyn, (3a) $41,305; Seaside Contg. Co., (3a) $42,968, (4a) $178,387, (4b) $123,944; P. Litchfield, 100 East 17th St., New York City, (4b) $125,345. Noted Aug. 4.

N. Y., New York—H. H. Curran, pres. Manhattan Boro Municipal Bldg., opened bids Aug. 9, building sewer in 26th St. from bulkhead line of East River to Madison Ave. and Madison Ave. from East 25th to East 31st Sts., etc. from F. E. Cranford Co., 149 Remsen St., Brooklyn, $647,000; P. McGovern, Inc., 50 East 42d St., $674,700. Booth & Flinn, Ltd., Green and Tompkins Ave., $682,000. Noted July 21.

N. Y., New York—H. H. Curran, pres. Manhattan Boro, Municipal Bldg., opened bids Aug. 12, building sanitary and storm sewers in Clarkson St. from bulkhead at Hudson River to Varick St. and intercepting sanitary sewer in West St. from Clarkson to Canal Sts., from Necaro Co., Inc., 97 Court St., Brooklyn, $386,931; P. McGovern, Inc., 50 East 42nd St., $481,171; F. Spinella, 142 Jefferson St., Brooklyn, $444,284.

★**Pa., Phila.**—City let contract constructing 6 ft. 6 in. sewer in Wissahickon Ave. low lever intercepting sewer through Fairmount Park from Green to Gorgas Lanes, to J. Perma, 65th and Callowhill Sts., about $100,000; Venango St. from Allen to Edgemont Sts., to C. A. Conan, Mud Puddle Lane along tracks Pennsylvania R.R., $55,000.

★**O., Cleveland Heights** (Warrensville P. O.)—Cedar Heights Land Co. let contracts to Hadded-Mall Co., Schofield Bldg., Cleveland, building sewers in Wynn Ave., cost $2,188, Raymont Ave., $18,700, Tellamore Ave., $9,569, Farland Ave., $3,017, Cedar Brook Blvd., $10,124, Jackson Ave., $12,902. Work involves 18,080 ft. 12-24 in. vitr. pipe.

★**O., Columbus**—W. H. Duffy, dir. Pub. Serv., let contract building sewage pumping station on Nelson Rd., to R. H. Evans & Co., 8 East Broad St., $15,868; equipment, to Dravo-Doyle Co., Diamond Bank Bldg., Pittsburgh, $6,098; laying trunk sewer through Linden, to Gaty Constr. Co., 185 North Water St., $68,486. Noted July 28.

Mich., Detroit—City received bids building (1) Lateral Sewer 3318, (2) 3319, (3) 3320, (4) 3420, (5) 3468, (6) 3478, (7) 3496, (8) 3497, (9) 3498, from Detroit Contg. Co., 827 Ford Bldg., (1) $20,933, (2) $14,129, (3) $13,346, (7) $5,212, (9) $5,308; Western Const. Co., 1208 Ford Bldg., (1) $23,657, (2) $16,685, (3) $16,226, (4) $4,114, (6) $11,063, (7) $5,821; Detroit Drainage Constr. Co., 400 Penobscot Bldg., (1) $23,951, (2) $16,774, (3) $16,658, (7) $5,850; Liberty Constr. Co., 36 State St., (4) $3,830; R. D. Baker, 1631 Elmhurst St., (4) $3,999; A. Rossi, 1778 East Grand Blvd., (5) $9,999; S. Duponovich, Penobscot Bldg., (5) $10,055; V. Teetaert, 448 St. Clair St., (5) $19,614; C. R. Lennane, 809 Union Trust Bldg., (6) $9,811; A. DiFazio & Son, 1556 St. Joseph St., (8) $3,300; J. Zuccola, (8) $3,362; Gustin & Co., McLean Ave., (8) $3,022; Mc Cordic Constr. Co., Penobscot Bldg., (9) $5,560; Oakwood Constr. Co., 165 Fort Bldg., (9) $6,394. Noted July 21.

Mich., Detroit—Dept. Pub. Wks. received bids building sewers (1) Sect. 4 Bates St. Sewer in Brush St. from Canfield to Piquette Ave., (2) Sect. 4 Jos. Campeau Ave. Sewer, (3) Bates St. Sewer, Alfred St. Arm, in Alfred St. from Brush St. to Woodward Ave., (4) 3rd Ave. Sewer, Stanley Ave. Arm, (5) Six Mile Rd. Sewer, Mt. Elliott Ave. Arm, (6) Highland Park Arm. Sect. 7, from Jaynes & Affeld, 1208 Ford Bldg., (1) $532,258; W. Blanck & Co., 827 Ford Bldg., (1) $506,920, (5) $66,852; Booth & Flinn, 114 Cadillac Sq., (1) $492,556, (2) $469,985, (3) $104,575; J. A. Mercier, 216 Hammond Bldg., (2) $419,557, (4) $54,098; G. R. Cooke, 1260 Penobscot Bldg., (2) $413,836, (6) $493,903; R. D. Baker, 1631 Elmhurst St., (3) $110,310, (4) $52,196, (5) $66,366; J. Bollin Co., 1259 Book Bldg., (3) $110,244; W. Porath, 1410 West Grand Blvd., (4) $51,866, (5) $69,244; Lennane & McIlvenna, 1205 Book Bldg., (6) $528,950; J. Connell Constr. Co., 610 Lincoln Bldg., (6) $527,468. Noted July 21.

★**Wis., Milwaukee**—City let contracts to Kehrein Constr. Co., 988 11th St., furnishing and laying vitr. sewers in Clarke St., $8,511, 51st St., $3,098. Hadley St., $453; T. Szuklaski, 1089 American Ave., in Clevelane Ave., $1,712, 19th St., $5,146, 15th Ave., $2,803; W. T. Werner, 675 Hi Mount Blvd., in 50th St., $2,838, 48th St., $2,763, 49th St., $1,662; G. E. Zimmerman, 3402 Grand Ave., in 6th St., $10,576. Noted Aug. 4.

Bridges

PROPOSED WORK

N. J., Mays Landing—Bd. Freeholders Atlantic Co. having plans prepared for 72 ft. bridge, 30 ft. wide, over Babcock Creek. About $50,000. A. H. Nelson, Guarantee Trust Bldg., Atlantic City, engr.

Pa., Phila.—City having plans prepared for 110 ft. bridge, 50 ft. wide, over Reading R.R. tracks on Poplar St. About $50,000. F. C. Dunlay, 216 City Hall, engr.

BIDS DESIRED

N. Y., Rexford—Until Aug. 24, by C. S. Cadle, supt. Pub. Wks., Capitol, Albany, building bridge over Mohawk River between here and hamlet of Aqueduct, involving 3,100 cu.yd. excav., 811 cu. yd. 1-1-½-3 and 858 cu.yd. 2d Class concrete, 560,000 lb. structural steel and 85,000 lb. metal reinforcement, etc. About $91,296.

N. Y., Waterloo—Until Aug. 24, by C. S. Cadle, supt. Pub. Wks., Capitol, Albany, building concrete slab bridge, over Old Cayuga and Seneca Canal, at Virginia St., involving 900 cu.yd. excav., 540 cu. yd. 2d Class and 270 cu.yd. 1st Class concrete and 29,000 lb. metal reinforcement, etc. About $25,023.

New Jersey — Until Aug. 31, by State Highway Comn., Broad St. Bank Bldg., Trenton, constructing Route 12, Sect. 4, between New Village and Pleasant Valley, Warren Co. and Bridges 7, 6, 5 and 3 also Culverts C, D and 4. C. A. Mead, 790 Broad St., Newark, bridge engr.; advertised in this issue.

W. Va., Madison—Until Sept. 3, by Clerk Boone Co., building 2 steel bridges across Spruce Creek, one near Ramage and the other near Low Gap. R. G. Gartner, co. engr.; advertised in this issue.

O., Cincinnati—Until Aug. 23, by Comrs. Hamilton Co., building substructure for bridge over Little Miami River on Kellogg Ave., involving 2½ tons reinforcing steel imbeded in concrete, 30 cu.yd. 1:2:4 and 2,345 cu.yd. 1:3:6 concrete, cost $30,165; superstructure involving, 700 tons steel. Bidders to furnish plans for 2 riveted trusses 400 ft. span c. to c., 30 ft. wide, and carry track for electric car, two 5 ft. sidewalks paved with 3 in. concrete roadway paved with wood block, $98,000. E. A. Gast, Court House, engr.

Michigan—Until Aug. 29, by State Highway Dept., at office Bd. Rd. Comrs. Saginaw Co., (Saginaw), building Bridge 730,101, 90 ft. span, 20 ft. roadway, in Albee Twp., involving 182.6 cu. yd. rein.-con., 228 cu.yd. concrete and 61,500 lb. steel.

Illinois—Until Aug. 23, by Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, constructing 3 concrete bridges, Route 5, Sect. 23-B, J. Davies and Stephenson Counties; 1 steel bridge, Route 7, Sect. F-1, Will Co.; 1 steel bridge, Route 18, Sect. 13-B, Kendall Co.; 5 concrete bridges, State Aid, Sect. F, Monroe Co., 2 concrete bridges, Route 15-D, Sect. O, Woodford Co. C. Older, ch. highway engr.

Ill., Streator—Until Aug. 25, by Streator Drain Tile Co., constructing rein.-con. substructure for railroad bridge across Vermillion River. M. C. Taylor, Bloomington, engr.; advertised in this issue.

Washington—See "Streets and Roads."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Fla., Chattahochee**—State Rd. Dept., Tallahassee, let following contracts building approach spans to Apalachicola River Bridge; 3,600 ft. creosoted timber trestle on west end, to W. T. Hadlow & Co., Baldwin Bldg., Jacksonville, $92,368, 840 ft. concrete approach, east end, to A. Bentley & Sons Co., Talleyrand Ave., Jacksonville, $66,863. Noted July 14.

Tennessee—See "Streets and Roads."

★**Ky., Paintsville**—Johnson Co. let contract building bridge over Big Sandy River, to Champion Bridge Co., Wilmington, O. About $50,000.

★**Ohio**—Dept. Highways and Pub. Wks., Columbus, let contracts building bridges in following counties:

Allen Co., Sect. "K" Lima Sandusky Rd., to H. B. Waters, Columbus, $1,530.

Marion Co., Sect. "G" Marion-Galion Rd., V. S. Secord, Marion, $1,087.

Cuyahoga Co., Sect. "J" Twinsburg-Elyria Rd., rein.-concrete bridge, over Chippewa Creek, F. W. Mark, Leader-News Bldg., Cleveland, $92,800.

Marion Co., Sect, "I-1" Marion-Marysville Rd., 1.49 mi., constructing extra base course of waterbound macadam, Canty, Freedman Co., Youngstown, $8,808. Noted Aug. 11.

★**Illinois**—Dept. Pub. Wks. and Bldgs. Div. Highways, Springfield, let contracts to B. F. Clark & Sons, 920 Century Bldg., St. Louis, Mo., building steel bridge on Sect. 27-B, Route 10, Sangamon Co., $16,905; 2 concrete bridges on Sect. 7-B, Route 13, Williamson Co., $11,427; steel bridge on Sect. 8-C, Route 13, Saline Co., $6,126; concrete bridge on State Aid Sect. F, Adams Co., $5,100; J. D. Anderson, Beecher City, 2 concrete bridges on Sect. 55-B, Route 3, Greene Co., $4,896; F. Kaney, Forreston, 4 concrete bridges on Sect. 22-B, Route 5, Stephenson Co., $11,907; Gould Constr. Co., 501-17 Willman Ave., Davenport, Ia., 1 concrete bridge on Sect. 12, Route 8, Tazewell Co., $16,639; Decatur Bridge Co., East Eldorado St. and C. I. and W. Rd., Decatur, steel bridge on Sect. 27-C, Route 10, Sangamon Co., $31,407; T. Hlad, Edwardsville, 6 concrete bridges on Sect. 6-B, Route 13, Williamson Co., $14,371; Vincennes Bridge Co., Vincennes, Ind., steel bridge on Sect. 8-B, Route 13, Saline Co., $6,688; G. C.

Bridges (Continued)

Cuming, Industry, 2 concrete bridges on State Aid Sect. S, McDonough Co., $3,090; J. W. Baptist & Co., Jacksonville, 7 concrete bridges on State Aid Sect. T, McDonough Co., $2,760; H. C. Holmes, Macomb, 1 concrete bridge on State Aid. Sect. H, McDonough Co., $3,150.

★**Ill., Fox Lake**—Lake Co., c/o C. E. Russell, supt. highways, (Waukegan), let contract building steel span lattice truss bridge, concrete flooring and sidewalk, over Nippersing Channel, near here, to Federal Bridge & Structure Co., Waukegan. About $25,000. Noted July 28.

Kan., Wichita—See "Streets and Roads."

★**Ia., Atlantic**—Cass Co. let contracts constructing 4 box culverts, 4 I-beams and 2 circular culverts, to Des Moines Eng. & Constr. Co., Des Moines, $24,666; 1 pony truss, to Standard Bridge Co., 1302 City Natl. Bank Bldg., Omaha, Neb., $4,213. Noted July 14.

★**Ia., Greenfield**—Adair Co. let contracts building (1) 1 pony truss, (2) 12 box and 6 circular culverts, (3) 10 box culverts, 1 pony truss and 1 I-beam, to Wilson Concrete Co., Red Oak, (1) $6,764, (2) $10,968, (3) $15,258. Noted July 14.

Minn., Duluth—St. Louis Co. let contract building 15-80 ft. concrete and steel bridges (trusses and I-beams.) 18 ft. wide, between Virginia and Ely, to Minneapolis Bridge Co., Metropolitan Life Bldg., Minneapolis, $15,578; A. T. Nelson, 727 East Superior St., $960; Great Northern Bridge Co., Kasota Bldg., Minneapolis, $3,990. W. S. Hewitt, Metropolitan Bank Bldg., Minneapolis, $10,617.

★**Kan., Wichita**—City let contract constructing 422 ft. rein.-con. bridge on Maple St. over Arkansas River, to have 58-68 ft. spans, 35 ft. roadway and two 6 ft. sidewalks, involving 4,500 cu.yd. rein.-con., etc., to Koss Constr. Co., 5th St. and Interurban Ry., Des Moines, Ia. About $113,000. Noted Aug. 4.

Mo., St. Louis—Bd. Pub. Serv. opened bids Aug. 9 building 74 ft. steel truss span bridge on Natural Bridge Rd., from H. B. Dawson, 1223 Clara Ave., $29,159; Gamble Constr. Co., 620 Chestnut St., $29,075. Noted July 21.

Montana—See "Streets and Roads."

★**Tex., San Angelo**—Tom Green Co. let contract constructing rein.-con. bridge, to Brown-Abbott Co., Loraine, $43,326. Noted July 28.

Cal., Pasadena—City received bids building bridge over Arroyo Seco, at San Rafael Heights, from R. N. Nikcevich, 652 North Bway., Los Angeles, $148,000; C. P. Day and J. C. Bannister, 903 North Mariposa Ave., Los Angeles, $152,700; W. M. Ledbetter, 601 Pacific Electric Bldg., Los Angeles, $154,600. Noted May 12.

Railways

PROPOSED WORK

Ontario—Works Com. of Toronto voted $292,000 bonds to build 2½ mi. double track on Yonge St. between Farnham Ave. and done by day labor. R. C. Harris, City Hall, north city limits. Work will probably be engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Louisiana**—Crowell & Spencer Lumber Co., Long Leaf, let contract constructing 4½ mi. railway extension, involving 55 acres clearing, 12 acres grubbing, 95,000 cu.yd. earth, 20,000 cu.yd. loose rock and 5,000 cu.yd. solid rock excav., etc., to C. L. Flournoy & Co., Jasper, Tex.

Excavation and Dredging

BIDS DESIRED

Ill., Newton—Excavation—Until Aug. 31, by Comrs. Captain Pond Drainage and Levee Dist., at office of Kasserman & Kasserman, attys., Newton, excavating (1) 3.5 mi. new river channels, (2) 5.75 mi. river levee, (3) 6 mi. diversion ditch, etc., (4) 78.6 acres clearing. E. F. Mail, Robinson, engr.; advertised in this issue.

Wis., Sheboygan—Ditch—Until Aug. 24, by G. W. Wisselink, Hingham, secy. Sheboygan Co. Drainage Bd., building Project 6, involving 18,600 ft. 4-16 in. tile and 1,500 ft. open ditch; Project 7, 9,950 lin.ft. main ditch and 3,300 cu.yd. excav. J. Donohue Eng. Co., Sheboygan, engrs.

Ia., Emmetsburg—Drainage—Until Aug. 25, Bd. Supervs. Palo Alto Co., constructing improvements in D. D. 123, involving 39,785 lin.ft. 6-18 in. tile. W. T. Krieger and R. H. Fuller, engrs.

Ia., Mt. Ayr—Excavation—Until Aug. 22, by Ringgold Co., building 3 mi. new channel in Platte River, D. D. 2, involving 273,000 cu.yd. excav. E. E. Cornwall, aud.

Minn., Aitkin—Ditch—Until Sept. 8, by Aitkin Co., building Co. Ditch 34, involving 375,354 cu.yd. excav., 49 acres clearing, 6 timber bridges, 16 mi. leveling bank for roadway and 1,208 lin.ft. 15-48 in. corrugated metal culverts. About $65,906. H. C. Beecher, aud.

Minn., Windom—Ditches—Until Aug. 24, by Cottonwood Co., building Co. Ditch 21, involving 25,360 ft. 6-24 in. tile and 19,255 cu.yd. open work, about $21,855; Co. Ditch 23, 41,800 ft. 6-28 in. tile, $31,549; Co. Ditch 24, 36,300 ft. 6-22 in. tile, $18,772; Co. Ditch 28, 9,750 ft. 6-20 in. tile, etc., $7,047; Co. Ditch 29, 32,730 ft. 6-28 in. tile, etc., $21,583; Co. Ditch 85, 25,900 ft. 6-24 in. tile, $12,562. L. J. Klock, Windom, engr. V. W. Cove, Windom, engr. for Ditch 85.

Streets and Roads

PROPOSED WORK

Mass., Boston—City plans to pave Post Office Sq., granite block on concrete base. About $40,000. J H. Sullivan, City Hall, engr.

Mass., Chicopee—City plans to cinder about 5500 ft. North Chicopee St. About $50,000. F. P. Cobb, city engr.

N. J., Mays Landing—Bd. Freeholders Atlantic Co. receives bids in October, paving 1½ mi. Pleasantville-Mays Landing Rd. through Sugar Hill, involving 18,097 sq.yd. bituminous concrete on concrete base, 1,570 lin. ft. concrete curb and 508 lin. ft. concrete gutter, etc. About $100,000. A. H. Nelson, Guarantee Trust Bldg., Atlantic City, engr.

Pennsylvania—State Highway Dept., Harrisburg, rejected bids opened Aug. 5, building Route 142, East Whiteland Twp., Chester Co.; 2 sections of Route 82, Crawford Co.; section of highway in Harbor Creek Twp., Erie Co; Route 290, Shenandoah, Boro., Schuylkill Co.; Route 17, Dushore Boro., Cherry Twp., Sullivan Co.; Route 187, North Salem Boro., Franklin Twp., Westmoreland Co. L. S. Sadler, highway comr. Noted Aug. 11.

Pa., Ferndale—Boro. election Sept. 20, to vote on $25,000 bonds to construct 2,000 ft. brick road. P. J. Bracker, clk.

Pa., Phila.—F. H. Craven, city dir. opens bids within 60 days paving with granite block portions of 53 streets, about $2,007,000; with asphalt and vitr. brick gutters portions of 65 streets, about $1,458,000; with asphalt block and granite block between car tracks portions of 6 streets, about $180,000; repaving with asphalt and building vitr. brick gutter portions of 87 streets, about $2,058,300.

Fla., Brooksville—City plans to lay 10,500 lin. ft. concrete sidewalks on Early, Liberty, West Jefferson and Howell Sts. About $25,000. C. M. Price, mayor. Engineer not announced.

Ky., Louisville—City soon receives bids improving and paving with asphalt, 5th, 28th, 10th, Jackson, Baxter, Brook, Fehr, Walnut, Hill, Madison and 18th Sts. About $162,000. W. Gottscholt, secy. Bd. Pub. Wks.

O., Troy—Miami Co. plans to grade and gravel surface 1 mi. Casstown-Fletcher Rd., 2½ mi. Lost Creek-Brant Rd., parts of Troy-Pleasant Hill Rd. and Karns Wheelock Rd., 6-20 ft. wide. About $75,000. W. Kinder, co. surv.

Ill., Canton—City having plans prepared paving Washington St., brick on concrete base. About $30,000. H. Motsinger, Canton, engr.

Ill., Kewanee—Bd. Local Impvts. plans to pave Main St., brick or asphalt. About $25,000. Engineer not selected

Ill., Peoria—City having plans prepared paving Hanssler Pl., brick or asphalt on concrete base. About $25,000. W. Moran, clk. L. D. Jeffries, 2707 Main St., engr.

Ill., Springfield—City having plans prepared paving Passfield St., vitr. brick on concrete base. About $25,000. W. Seeley, 102 East Cook St., engr.

Michigan—State Highway Dept., Lansing, soon receives bids grading, draining and surfacing 11½ mi. Federal Aid Project 37, Hillsdale and Calhoun Counties, 2 mi. concrete and 9½ mi. gravel; 2 mi. Assessment Dist. Rd. 235, Saginaw Co., stone-gravel or macadam. F. F. Rodgers, Lansing, state highway comr.

Mich., Detroit—City plans to pave with sheet asphalt on 8 in. concrete base and Medina curbstone Albert Ave. from Grand River to Yosemite Aves., about $13,200; Mt. Elliott Ave. from Conant Ave. to Lynch Rd., $145,900; Ferry Ave. from Helen Ave. to East Grand Blvd., $7,860; paving with one course concrete alley between Hartford, Scotten, Moore and Scovel Aves., $4,020; alley between St. Aubin, Hendrie and Medbury Aves., $2,190; "T" alley between Woodward Ave., John R. St., Belmont and Trobridge Aves., $5,180; alley between Avery, Commonwealth, Marquette and Holden Aves., $6,180; alley between Scotten, West Grand Blvd., Moore and Scovel Aves., $3,900; alley between Russel, Riopelle, Erskin and Eliot Aves., $3,750; alley between 12th St., Churchill Ave., West Grand Blvd. and Bethune Ave., $4,200; alley between Van Dyke, Maxwell, Sprague and Canfield Aves., $3,705; alley between Fisher, Crane, Gratiot and Lambert Aves., $5,290; alley between 12th St., Dunedin, Lothrop and La Mothe Aves., $1,890; alley between 18th, 17th, Linden and Poplar Sts., $3,280; alley between Oakland, Cameron, Alger and King Aves., $3,355; alley between Townsend, Baldwin, Forest and Warren Aves., $3,925; alley between Le May, Fairview, Mack and Canfield Aves., $9,825. C. W. Hubbell, city engr.

Mich., Grosse Pointe Farms (Grosse Pointe P. O.)—City having plans prepared grading and paving 2½ mi. Kerby Rd., Moran and Oak Sts., concrete or sheet asphalt on concrete base. About $155,000. R. H. Erley, Village Hall, engr.

S. D., Mitchell—City plans to pave Lawler St., brick on concrete base. About $95,000. F. J. Hansen, Mitchell, engr.

Tex., Bastrop—Bastrop Co. having plans prepared and soon receives bids, clearing, grubbing, grading, draining and surfacing 9.68 mi. Austin-Houston Highway, involving 23,969 cu. yd. earth excav., 355.2 cu. yd. 1:2:4 and 21.28 cu. yd. 1:3:6 concrete, 29,505 lb. reinforcing steel and 17,632.7 cu. yd. gravel surfacing. About $84,161. A. F. Mitchell, Cameron, co. engr.

Tex., Dallas—Dallas Co. plans to sell $2,700,000 bonds in October to improve various roads, including 15.4 mi. East Pike Rd., concrete, cost $511,740; 14.45 mi. Lancaster Rd., concrete, $484,060; 12.43 mi. Preston Rd., macadam, $207,581; 25.7 mi. Coppell-Irving Rd., macadam and concrete, $306,000. Nagle, Witt & Rollins Eng. Co., Amer. Exch. Bank Bldg., Engrs.

Tex., Edna—Jackson Co. voted $60,000 bonds to drain and gravel surface Highway 12. A. T. Gayle, c/o S. G. Sample, co. judge, engr.

Tex., Henderson—Rusk Co. had plans prepared and soon receives bids clearing, grubbing, grading and draining 6.96 mi. State Highway 43 from Cherokee Co. line toward here, involving 17,600 cu.yd. borrow and 23,312 cu.yd. roadway excav., 412.8 cu.yd. Class A concrete, 30,430 lb. reinforcing steel. About $32,500. Hess & Skinner, Southwest Life Bldg., Austin, engrs.

BIDS DESIRED

New York—Until Aug. 26, H. S. Sisson, comr. State Highway Dept., 55 Lancaster St., Capitol, Albany, improving Highways in Broome, Cortland, Chenango, Livingston, Ontario and Wayne Counties, also reconstructing highways in Albany, Hamilton, Jefferson, Monroe, Oneida, Ontario, Rensselaer, Steuben, Suffolk, Ulster and Wyoming Counties. J. C. Finch, secy.; advertised in this issue.

N. Y., Long Island City—Until Aug. 24, by M. E. Connolly, pres. Queens Boro, 68 Hunterspoint Ave., regulating, grading and paving Rockaway Blvd. from conduit to New York Ave., 4th Ward, Rockaway Blvd. from New York Ave. to Nassau Co. line, preliminary rein.-con. pavement.

Streets and Roads (Continued)

N. Y., Mamaroneck—Until Aug. 23, by Bd. Trustees constructing cement concrete sidewalks and curb on a cinder and Telford foundation, on Franklin St. L. Harding, pres.; advertised in this issue.

N. Y., New York—Until Aug. 24, by H. H. Curran, pres. Manhattan Boro, Municipal Bldg., widening and paving 32nd St. between existing and proposed curb lines from 5th Ave. to Bway.; widening, regulating and paving 33rd St. between existing and proposed curb lines from 5th Ave. to Bdway., both sheet asphalt on concrete foundation; regulating, curbing, recurbing, etc. West 225th St. (Muscoota St.) from easterly side of Bdway. to boro line, granite block on concrete foundation.

N. Y., S. I., St. George—Until Aug. 24, by C. D. Van Name, pres. Richmond Boro, Boro Hall, repaving Richmond Rd. from Vanderbilt to Clove Aves. and Van Duzer St. from St. Pauls Ave. to Stone St. and from Smith Terminal to Wright St., granite block on concrete foundation.

New Jersey—Until Aug. 31, by State Highway Comn., Broad St. Bank Bldg., Trenton, contructing Route 1, Sect. 9, Milton Ave., Rahway, to Rahway-Linden boundary line, Sect. 10, from Rahway-Linden boundary line to north of Roselle St., Roselle and Sect. 11, from north of Roselle St., Roselle, to Elizabeth City line, Union Co., all bituminous concrete Warrenite bitulithic surface on cement concrete base; Route 9, Sect. 4, through Dunellen, Middlesex Co, reinforced Portland cement concrete and granite block; Route 1, Sect. 7, through Hamilton Sq., Mercer Co., reinforced Portland cement concrete. A. L. Grover, ch. clk.; advertised in this issue.

N. J., Burlington—Until Sept. 6, by Common Council repairing 2,350 ft. concrete curb, laying 40,000 sq.ft. concrete and 8,000 sq.ft. brick and flag sidewalk on High St. H. S. Haines, 232 High St., engr. Noted Feb. 3.

N. J., Weehawken—Until Aug. 24, by Joint Council Comm. of Weehawken and West Hoboken Twps. paving and laying concrete sidewalks on 6 blocks, Palisade Ave. between Hackensack Plank Rd. and Weehawken St. bituminous concrete on concrete foundation. About $200,000. Engineer not selected.

N. J., West Hoboken—Until Aug. 25, by Hudson Co. (Jersey City) paving, building sewers, new lines and new basins in 6 blocks Hackensack Plank Rd. between Hudson Blvd. and Oregory Ave., probably granite block. About $175,000. F. J. Radigan, Court House, Jersey City, engr.

Maryland—Until Aug. 30, by State Rds. Comn., 601 Garrett Bldg., Baltimore, building two sections state highway, Contr. W-21, Washington Co., and Contr. WO-20, Worcester Co., J. N. Mackall, chn.; advertised in this issue.

Virginia—Until Aug. 25, by Assistant Highway Commissioner, Richmond, constructing 6.71 mi. State Rd. 22 between Salem and Catawba, Project 110, Roanoke Co.; 12.91 mi. State Rd. 12 between Jackson Ferry and Hillsdale, Project 111, Carroll Co.; 7.9 mi. State Rd. 12, between Galax and Woodlawn, Project 123, Carroll Co.; 4.42 mi. State Rd. 17 between Barboursville and Green Co. line, Project 135, Orange Co., all foregoing to be paved with waterbound macadam; 1.61 mi. State Rd. 11 between Norton and Big Stone Gap, Project 131, Wise Co., concrete road alternate bid concrete base and bituminous macadam penetration; topsoiling 11.4 mi. State Rd. 18 between Gladys and Brookneal, Project 147, Campbell Co. C. E. Bolling, 116 South 3rd St., Richmond, highway engr.

W. Va., Benwood—Until Aug. 27, by A. Sprouts, mayor, grading, filling and paving 3,400 sq.yd. Marshall St. About $25,000. C. C. Smith, Bates Bldg., Wheeling, engr.

N. C., Durham—Until Aug. 30, by R. W. Rigsby, city mgr., grading, draining, curbing paving from 45,000 to 70,000 sq.yd. streets. About $150,000. H. W. Kueffner, Durham, engr. Noted July 7.

S. C., Anderson—Until Aug. 25, by Anderson Co. Highway Comn., clearing, grubbing, grading and topsoiling 3.857 mi. Anderson-Greenville Rd.; topsoiling and surfacing 8.61 mi. Alfred Bridge Rd. W. A. Sanders, Anderson, engr.

S. C., Walhalla—Until Aug. 25, by comrs. Oconee Co. grading and surfacing 12 mi. road between Salem and here, involving 81,000 cu.yd. excav., 2,000 cu.yd. rock excav., and 25,000 cu.yd. top soil surfacing. J. N. Stribling, Walhalla, engr.

Alabama—Until Sept. 9, by W. S. Keller, state highway engr., grading, draining and surfacing with gravel or sand-clay 10.008 mi. road from Butler to 1 mi. west of Lisman, Choctaw Co., involving 21.5 acres clearing and grubbing, 96,703 cu. yd. common excav., 1,944 lin. ft. 15-30 in. pipe, 300 cu yd. Class A and 172 cu. yd. Class B concrete, 10,730 cu. yd. gravel or chert surfacing, 14,500 cu. yd. sand clay surfacing, etc.

Miss., Rolling Fork—Until Sept. 2, by Third Supervisors Separate Rd. Dist., Sharkey Co., gravel surfacing 3 mi. various roads, involving 39,700 ton gravel. J. E. Meed, comr.

Louisiana—Until Aug. 29, by State Bd. Engrs., Room 332, Maison Blache Bldg., New Orleans, constructing 5 mi. Camp Beauregard Grant Parish Highway, Rapides Parish. D. Buie, state highway engr.

Ohio—Until Aug. 26, by Dept. Highways and Pub. Wks. grading, building bridges and culverts and paving roads in following counties:

Fulton Co., Sect. "M" I. C. H. No. 20, 1.004 miles rein-con. cost $36,758.

Knox Co., Sect. "B-1" I. C. H. No. 337, 3.39 mi., brick, $154,386, or (state to furnish brick) $108,060.

Licking Co., Sect. "G" I. C. H. No. 337, 4.053 mi., plain concrete, $327,584.

Seneca Co., Sect. "E" I. C. H. No. 4, 3.382 mi., bituminous macadam, $131,105.

Stark Co., Sect. "C-2" I. C. H. No. 70, 0.94 mi., brick, $48,556 or (state to furnish brick), $35,368. L. C. Herrick, dir. highways.

O., Cleveland—Until Aug. 24, by city, grading, draining, curbing and paving Amesbury Ave., N. E. from Richardson to Sharp Allotments, Bosworth Rd. and Parkhurst Dr. from Lorain Ave. to West Blvd., Everett Ave. N. E. from East 78th to East 80th Sts., Filo Ave. S. E. from East 53rd to East 54th Sts., Forest Court, S. E. from East 33rd to East 34th Sts., Hyde Ave., S. W. from West 38th St. to Fulton Rd. S. W., Hyde Ave. S. W. from West 38th to West 41st Sts., Oakwood Ave., S. E. from East 71st to East 72nd Sts., Poe Ave., S. W. and West 44th Pl. from Fulton Rd. S. W. to Hodgson Ave. S. W., Shale Ave. S. E. from Woodhill Rd. S. E. to East 110th St., Superior Ave. N. E. from East 55th to East 79th Sts., Torwood Ave. S. W. from West 44th to West 43rd Sts., Vineyard Ave., S. E. from Warner Rd. S. E. to westerly city limits, East 73rd St. from Grand Ave., S. E. to Wagner Ave., S. E., East 102nd St. from Union Ave., S. E. to Gleim allotment, East 105th St. from Union Ave. S. E. to Aetna Rd. S. E., East 111th St., from Miles Ave. S. E. to Charlotte Rd., East 124th St. from point 714 ft. south of Woodland Ave. to Buckingham Ave., S. E., East 133rd St. from Cain Ave. S. E. to Beechwood Ave., S. E., East 135th St. from Kinsman Rd. S. E. to Abell Ave. S. E., West 15th Pl. from Holmden Ave. S. W. to Brainard Ave. S. W. About $150,000. R. Hoffman, City Hall, engr.

Mich., Bad Axe—Until Aug. 24, by State Highway Dept. at office Bd. Rd. Comrs. Huron Co., grading, draining and surfacing 0.994 mi. State Trunk Line Rd. 31-7, involving 11,646.6 sq.yd. concrete or bituminous concrete, 1,629 cu.yd. earth excav. F. F. Rodgers, Lansing, state highway. comr.

Mich., Bessemer—Until Aug. 25, by State Highway Dept., at office Bd. Rd. Comrs. Gogebic Co., grading, draining and surfacing 6.738 mi. State Trunk Line Rd. 12-26, involving 29,027 cu.yd. earth excav., 63,250.7 sq.yd. gravel, etc. F. F. Rogers, Lansing, state highway comr.

Mich., Ionia—Until Aug. 23, by State Highway Dept., at office Bd. Rd. Comrs. Ionia Co., grading, draining and surfacing 1,251 mi. State Trunk Line Rd. 66-3, involving 4,005 cu.yd. earth excav. and 13,798 sq.yd. concrete or bituminous concrete. F. F. Rodgers, Lansing, state highway engr.

Mich., Ontonagon—Until Aug. 26, by State Highway Dept., at office Bd. Rd. Comrs. Ontonagon Co., grading, draining and surfacing 4.893 mi. State Trunk Line Rd. 26-6 Sect. A. F. F. Rodgers, Lansing, state highway comr.

Illinois—Until Aug. 23, by Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, paving 2.99 mi. Route 2, Sect. 1, Jackson Co., 18 ft. wide; 5.99 mi. Route 2, Sect. 7, Perry-Washington Co., 18 ft. wide; 5.14 mi. Route 2, Sect. 8, Washington Co., 18 ft. wide; 4.18 mi. Route 3, Sect. 53, Greene Co., 18 ft. wide; 7.68 mi. Route 3, Sect. 6, Cass Co., 8 ft. and 18 ft. wide; 6.7 mi. Route 4, Sect. 3, Will Co., 18 ft. wide; 7.86 mi. Route 4, Sect. 15, McLean Co., 18ft. wide; 6.1 mi. Route 5, Sect. 17, Winnebago-Stephenson Co., 18 ft. wide; 4.49 mi. Route 5, Sect. 18, Stephenson Co., 18 ft. wide; 10.59 mi. Route 5, Combination B, Winnebago-Stephenson Co., 18 ft. wide; 3.04 mi. Route 5, Sect. 3, Cook Co., 18 ft. wide; 3.96 mi. Route 5, Sect. 4, Du Page Co., 18 ft. wide; 5.16 mi. Route 5, Sect. 5, Du Page Co., 18 ft. wide; 12.16 mi. Route 5, Combination C, Cook-Du Page Co., 18 ft. wide; 3.89 mi. Route 5, Sect. 6, Du Page Co., 18 ft. wide; 2.37 mi. Route 5, Sect. 6-A, Cook Co., 18 ft. wide; 3.52 mi. Route 5, Sect. 7, Cook Co., 18 ft. wide; 9.78 mi. Route 5, Combination D, Cook Co., 18 ft. wide; 21.94 mi. Route 5, Sect. E, Cook Co., 18 ft. wide; 0.46 mi. Route 6, Sect. 7-A, De Kalb Co., two 12 ft. strips; 6.79 mi. Route 10, Sect. 10, Pratt-Macon Co., 18 ft. wide; 5.81 mi. Route 13, Sect. 1, Williamson Co., 18 and 20 ft. wide; 4.96 mi. Route 13, Sect. 5, Jackson-Williamson Co., 18 and 20 ft. wide; 10.77 mi. Route 13, Combination F, Jackson-Williamson Co., 18 ft. wide; 3.64 mi. Route 15, Sect. 2, St. Clair Co., 18 ft. wide; 4.83 mi. Route 15, Sect. 3, St. Clair-Clinton Co., 18 ft. wide; 8.47 mi. Route 15, Combination G, St. Clair-Clinton Co., 18 ft. wide; 2.16 mi. Route 15, Sect. 8, Washington Co., 18 ft. wide; 5.95 mi. Route 15, Sect. 9, Washington Co., 18 ft. wide; 4.8 mi. Route 15, Sect. 10, Washington Co., 18 ft. wide; 12.91 mi. Route 15, Combination H, Washington Co., 18 ft. wide; 6.51 mi. Route 18, Sect. 11, Kane-Du Page Co., 18 ft. wide; 6.81 mi. Route 23, Sect. 1, La Salle Co., 18 ft. wide; 3.43 mi. Route 23, Sect. 28, De Kalb Co., 18 ft. wide; 3.89 mi. Route 23, Combination I, De Kalb Co., 18 and 24 ft. wide; 7.5 mi. Route 25, Sect. 6, Clay Co., 18 ft. wide; 4.36 mi. Route 31, Sect. 7, Brown Co., 18 ft. wide; 1.11 mi. Route 37, Sect. 5, Franklin Co., 18 ft. wide; 1.08 mi. Project 9, Sect. 27, Madison Co., 18 ft. wide; 1.44 mi. Maint. Sects 35-36, Cook Co., 18 ft. wide; 0.33 mi. Maint, C, Cook Co., two 6 ft. strips; earth grading, 1.52 mi. Route 18, Sect. 13-A, Kendall Co.; 3.17 mi. Route 18, Sect. 14-A, Kendall Co.; 4.69 mi. Route 18, Combination J, Kendall Co. Alternate bids will be allowed on the following types of construction, Portland cement concrete, 4 in. monolithic brick, bituminous concrete with and without binder course. C. Older, ch. highway engr.

Minn., Gaylord—Until Aug. 26, by Sibley Co., grading and graveling 2 mi. Job 2101 State Rd. 1, involving 16,093 cu.yd. excav., 151,120 cu.yd. overhaul, 2,337 cu.yd. gravel surfacing, etc.; graveling surfacing 2 mi. Job 2102, State Rd. 7, 3,076 cu.yd. gravel; 2 mi. Job 1701, State Rd. 2, 2,400 cu.yd. gravel. About $25,000. C. N. Paterson, Gaylord, engr.

Minn., Minneapolis—Until Sept. 6, by Hennepin Co., grading and graveling 10 mi. Cedar Ave. Rd. in Dakota Co., 24 ft. wide. About $40,000. E. E. Terrell, Court House, engr.

Kan., Ottawa—Until Aug. 23, by Franklin Co., c/o D. K. Emerson, clk. constructing 1,667 mi. Project 89, 18 ft. wide, one course concrete, bituminous brick. About $25,000. M. S. Alderman, Ottawa, engr.

Kan., Wellington—Until Aug. 26, by Summer Co., hard surfacing 16,728 mi. road 32 ft. wide. Sect. 35. J. W. Mavity, Wellington, engr.

Mo, Carthage—Until Aug. 23, by city, surfacing Garrison Ave., 27 ft. wide, bituminous macadam on concrete base, cost $25,000; 4th St., 34 ft. wide, asphalt or brick on concrete base, $25,000. F. B. Newton, Carthage, engr.

Mo., Carthage—Until Aug. 25, by city, surfacing Grand Ave., 27 ft. wide, macadam on concrete base. About $30,000. F. B. Newton, Carthage, engr.

Tex., Crockett—Until Aug. 27, by N. Patton, judge Houston Co., grading, surfacing and draining 13.73 mi. State Highway 21, involving 114 acres clearing and grubbing, 31,272 cu.yd. borrow, 3,567 cu.yd. clay, 78,139 cu. yd. roadway excav., 1,496 cu.yd. 1:2:4 and 87.4 cu.yd. 1:2 1/2:5 concrete, 112,185 lb. reinforcing steel, etc. About $114,000 including 10% for engineering and contingencies. G. W. Courter Marlin, consult. engr.

Tex., Ft. Worth—Until Aug. 29, by H. L. Small, judge Tarrant Co., paving and

Streets and Roads (Continued)

curbing 6.84 mi. Kuteman Cut-Off from Parker Co. line east to Benbrook Rd., involving 71,230 sq. yd. vitr. brick and 71,198 lin. ft. concrete curbing, about $225,000; surfacing 13.36 mi. Ft. Worth-Hicks Rd., The Meridian Highway, 141,103 sq.yd. 2 in bituminous macadam, 11,759 cu.yd. broken stone, $115,000 including 10% for engineering and contingencies. R. V. Glenn, Courthouse, consult. engr.

Tex., Quitman—Until Aug. 29, by B. F. Cathey, judge Wood Co., gravel surfacing 14.49 mi. State Highway 37, involving 22,826 cu.yd. gravel. About $52,200. J. E. Blair, Mineola, engr.

Colorado—Until Aug. 24, by State Highway Comn., Denver, paving 4½ mi. Denver-Broomfield Rd., 18 ft. wide, concrete, Federal Aid Project 133, Adams Co. About $170,000. L. D. Blauvelt, State Museum Bldg., Denver, engr.

New Mexico—Until Aug. 30, by State Highway Comn., Capitol Bldg., Santa Fe, grading, surfacing, building culverts and bridges on 16,361 mi. Roswell-Dexter Rd., Federal Aid Project 48, Chaves Co., involving 22,955 cu. yd. excav., 25,502 cu. yd. gravel, 172.02 cu. yd. Class A and 73.42 cu. yd. Class B concrete, 3,915 lb. reinforcing bars; 11,592 mi. Colfax-Cimarron Rd., Federal Aid Project 1-D, Colfax Co., involving 30,391 cu. yd. excav., 5,923 cu. yd. gravel, 284.4 cu. yd. Class A and 139 cu. yd. Class B concrete, 20,387 lb. reinforcing bars; 6.801 mi. Mescalero-Tularosa Rd., Federal Aid Project 40, Otero Co., involving 26,452 cu. yd. excav., 7,960 cu yd. crushed stone, 326 cu. yd. Class A and 92.32 cu. yd. Class B concrete, 13,108 lb. reinforcing bars; 32,604 mi. Steins-Rodeo Rd., Federal Aid Project 54, Hidalgo Co., involving 50,479 cu. yd. excav., 12,241 cu.yd. gravel, 577.5 cu. yd. Class A and 523.4 cu. yd. Class B concrete, 18,857 lb. reinforcing bars; 4.343 mi. Hurley-Bayard Station Rd., Federal Aid Project 55, Grant Co., involving 15,257 cu. yd. excav., 6,773 cu. yd. crushed stone, 288 cu. yd. Class A and 17.78 cu. yd. Class B concrete, 16,093 lb. reinforcing bars; 20.871 mi. Tecolote-San Jose Rd., Federal Aid Project 60-B, San Miguel Co., involving 86,218 cu yd. excav., 24,366 cu. yd. crushed stone 826.85 cu. yd. Class A and 193.35 cu. yd. Class B concrete, 50,369 lb. reinforcing bars; 10.057 mi. Taos-Taos Jct. Rd., Federal Aid Project 67, Taos Co., involving 27,900 cu. yd. excav., 15,715 cu. yd. gravel, 357.14 cu. yd. Class A and 146.3 cu. yd. Class B concrete, 15,141 lb. reinforcing bars; grading and building culverts and bridges on 4.394 mi. Canjilon-Tierra Amarilla Rd., Navajo Canyon Forest Aid cooperative Project, Rio Arriba Co., involving 24,310 cu. yd. excav., 301.34 cu. yd. Class A and 57.55 cu. yd. Class B concrete, and 10,709.4 lb reinforcing bars. L. A. Gillett, state highway engr.

Washington—Until Aug. 30, by State Highway Comn., Olympia, clearing, grading, draining and surfacing with gravel or crushed rock 8.7 mi. Chelan-Okanogan Highway from Trinidad to Columbia River, Grant and Douglas Co., 10.2 mi. Sunset Highway, Coulee City to Hartline, Grant Co., 7 mi. Sunset Highway, Baird to Moses Coulee, Douglas Co.; clearing, grading, draining and surfacing with crushed rock 8.6 mi. Inland Empire Highway, between Asotin Co. line and Silcott, Asotin Co.; grading, draining and paving with concrete 5.4 mi. Inland Empire Highway from Waitsburg south, Walla Walla Co.; surfacing with gravel or crushed rock 12 mi. Central Washington Highway between Franklin Co. line and Lind, Adams Co., clearing, grading, draining and paving with concrete 8.3 mi. Pacific Highway, Kalama to Woodland, Cowlitz Co. constructing steel bridge over Bear River, on Ocean Beach Highway, Pacific Co. J. Allen, state highway comr.

Wash., Seattle—Until Aug. 29, by King Co., paving 2 mi. Permanent Highway 27 from Auburn to Pierce Co. line, 18 ft. wide, involving 10,640 cu.yd. excav. and 23,467 sq.yd. 6-8 in. concrete. About $70,000. T. R. Beeman, 7807 Woodland Pk., engr.

Wash., Seattle—Until Sept. 6, by King Co., clearing, grubbing and gravel surfacing 4½ mi. Maple Leaf and Extension Rd. 6, involving 33½ acres clearing, 22.3 acres of grubbing, 65,512 cu. yd. excav. and 7,630 cu.yd. graveling. About $100,000.

California—Until Aug. 29, by State Highway Comn., 515 Forum Bldg., Sacramento, paving 5.7 mi. concrete highway between Rancho El Encino and Shoup Ave., Los Angeles Co.; 2 mi. highway between San Jose Creek and Stony Creek, Santa Barbara Co.; 9.5 mi. concrete or asphalt concrete highway between Ignacio and Fairville, Marin and Sonoma Counties. A. B. Fletcher, state highway engr.

Cal., Los Angeles—Until Aug. 22, by Bd. Supervs. Santa Barbara Co., paving with concrete 28 mi. Lompoc Rd. Improvement Dist.. About $500,000.

Cal., San Diego—Until Aug. 22, by Common Council, paving 2,580 ft. Granada Ave. from Upas St. to University Ave., involving 143,411 sq.ft. 1 in. asphaltic concrete on 4 in. Portland cement concrete base, 2,132 lin. ft. curbing, and 11,034 sq.ft. Portland cement concrete sidewalks. F. A. Rhodes, city engr.

PRICES AND CONTRACTS AWARDED

(★Indicates contract awarded)

Massachusetts — State Highway Dept., Boston, received bids Aug. 9, paving 8,600 ft. highway in Littleton, 18 ft. wide, bituminous macadam, from T. J. McCue, Watertown, $47,339, Hanscom Constr. Co., 70 Kilby St., Boston, $49,314, A. Pallatto, Dracut, $51,948; 2,200 ft. in West Springfield, 20 ft. wide, concrete and bituminous macadam, from Hoyt. Constr. Co., Holyoke, $22,960, D. O'Connell's Sons, Holyoke, $22,823, Hampden Const. Co., Springfield, $23,829.

★**Mass., Boston**—City let contract paving Charles St. from Beacon to Cambridge Sts., wood block on concrete base, to B. E. Grant Co., 605 Barristers Hall. $38,399.

★**Mass., West Springfield** (Springfield P. O.)—City let contract paving 2,200 ft. Riverdale Rd., cement and bituminous concrete, to Hoyt Constr. Co., North Pleasant St., Holyoke. About $25,000. Noted Feb. 17.

★**Connecticut**—C. J. Bennett, state highway comr., 240 Farmington Ave., Hartford, let contract paving 1 800 ft. Nepang Rd., Torrington, 3 in. bituminous macadam on 7 in. crushed stone base; also 5,300 ft. Broad Brook—Scantic Rd., 18 ft. wide, East Windsor, 7 in. waterbound macadam, to J. DeMichael & Bros., 58 High St., Torrington, $8,500 and $30,000 repectively; 3,000 ft., Westport Rd., Wilton, 18 ft. wide, 8 in. gravel, to Osborne-Barnes Co., Odd Fellows Bldg., Danbury, $9,000. Noted July 28.

★**New York**—H. S. Sisson, comr. State Highway Dept., 55 Lancaster St., Capitol, Albany, let contracts improving 5.49 mi. Whallonsburg-Essex, Highway 8063, Essex Co., to Cannova & Giordano, Lodi, N.J., $192,950; 1.72 mi. Manheims-Burrells, Highway 1602, Herkimer Co., to M. C. Tryon, Herkimer, $38,897; 0.65 mi. Harriman Village; Main St., Highway 739, Orange Co., to Schunnemunk Constr. Co., Highland Mills, $22,192; 1 mi. Clifton Park-Crescent, Part 1, Highway 8065, Saratoga Co., to J. C. Connors Co., Inc., 137 Jay St., Schenectady, $36,999; Hume Pike, Part 2 Pike Castle, Part 1, Highway 8067, Wyoming Co., to Greenfield Constr. Co., 89 Main St., Hornell, $145,698; 1.5 mi. Rd. 385, Rep. Con. 1274, Albany Co., to Veeder Contg. Co., Schenectady, $54,335; 2.26 mi. Rd. 5198, Rep. Con. 1291, Greene Co., to J. M. Walsh, 1085 East 35th St., Brooklyn, $73,618; 3.62 mi. Rd. 5273, Rep. Con. 1327 Livingston Co., to Standard Bitulithic Co., 50 Church St., New York City, $78,030; 1.53 mi. Rd. 714, Rep. Con. 1332, Livingston Co., to Dale Eng. Co., Mann Bldg., Utica, $52,208; 1 mi. Rd. 155, Rep. Con 1328, Montgomery Co., to J. P. Dugan & Co., Inc., Amsterdam, $34,653; 1.41 mi. Rd. 5208, Rep. Con. 1321, Schuyler Co., to S. K. Johnson and R. S. Wait, Norwich, $22,701.

New York—H. S. Sisson, comr. State Highway Dept., 55 Lancaster St., Capitol, Albany, opened bids Aug. 12, improving (1) 3.72 mi. Constableville-Lyons Falls, Part 1, Highway 1600, Lewis Co., (2) 3 mi. Middleport-Medina, Part 2, Highway 8069, Olcans Co., (3) 2.68 mi. Rd. 5327, Rep. Con. 3030, Lewis Co., (4) 2 mi. Rd. 5323, Rep. Con. 3025, Yates Co., from A. Barboni, Syracuse, (1) $116,856; J. Johnson Constr. Co., 765 Abbot Rd., Buffalo, (1) $117,771; Smith Bros. Contg. Co., Watertown, (1) $118,590, (3) $66,757; Ingersoll & Gallagher, Medina, (2) $106,662; Chambers & Barnes, 315 Powers Bldg., Rochester, (2) $113,420; Dale Eng. Co., Mann Bldg., Utica, (2) $114,381; Municipal Constr. Co., Utica, (3) $65,499; A. F. McConville, Ogdensburg, (3) $65,628; Greenfield Constr. Co., 89 Main St., Hornell, (4) $39,572; N. J. Balestrieri, Shelburne Falls, (4) $39,990; E. McGreevy, Elmira, (4) $41,785. Noted July 28.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, opened bids Aug. 10, regulating and paving, (1) Clermont Ave., (2) 88th (Maple) Ave., sheet asphalt, (3) Manly St., (4) McPherson St., (5) Gale St.; regulating, grading and curbing, etc., (6) Edson St., (7) Linden St., (8) 93d Ave. (North St.), (9) Gates Ave., (10) Hull Ave.; regulating, curbing and laying sidewalks on (11) 88th (Maple) Ave., regulating and resetting bluestone curb, etc., on (12) Marion St.; regulating and recurbing, etc. (13) Payntar Ave., from

Borough Asphalt Paving Co., 1201 Metropolitan Ave., Brooklyn, (1) $14,902, (2) $9,239, (4) $5,509, (12) $11,591.

Sicilian Asphalt Paving Co., 41 Park Row, New York City, (1) $14,908, (12) $11,635.

Cleveland Trinidad Paving Co., Flushing, (1) $16,444, (2) $9,190, (4) $5,935.

F. J. Clancy, 460 Lockwood St., Astoria, (5) $6,295, (6) $4,365, (8) $5,381, (9) $2,060, (10) $2,635, (13) $9,625.

R. A. Hess, Inc., 14 Queens St., Astoria, (6) $5,772.

Peace Bros., 20 Main St., Flushing, (5) $6,530, (6) $5,989, (8) $5,840, (10) $6,025, (11) $3,372 (13) $10,778.

H. E. Kordes Co., 2577 Cooper St., Brooklyn, $2,249, (8) $5,883, (10) $2,310, (11) $3,120, (13) $11,810.

Kennedy & Smith, Amity St., Flushing, (3) $14,750, (5) $6,287, (8) $8,072, (11) $3,430, (13) $12,885.

C. Kurth 37 Brotto Ave., Elmhurst, (7) $2,324.

C. Ranier, (7) $2,281.

W. P. McDonald Constr. Co., 618 Union St., Brooklyn, (12) $12,064.

Welsh Bros., 32 Queens St., (3) $15,498, (5) $6,151, (9) $1,995, (10) $2,653, (13) $10,410.

G. Morris, (3) $16,450.

Casalino Contg. Co., 207 North 7th St., Brooklyn, (10) $1,857.

J. J. McIntyre, (9) $2,099. Noted Aug. 4.

N. Y., New York—Dept. Parks, Municipal Bldg., opened bids Aug. 11, repaving Boston Rd. from East 182nd St. to Bronx Park East, Bronx, heavy traffic sheet aphalt and asphaltic concrete, from Asphalt Constr. Co., 2197 Madison Ave., $57,986; C. D. Beckwith, Inc., 301 West 108th St., $60,275; W. P. McDonald Constr. Co., 618 Union St., Brooklyn, $61,605.

N. Y., New York—H. Bruckner, pres., Bronx Boro, opened bids Aug. 10, regulating, grading, setting curbs, etc., on (1) Clarke Pl. from Jerome to Inwood Aves.; building sewers in (2) West Kingsbridge Rd., etc., (3) West Kingsbridge Rd. between existing sewer east of Reservoir Ave. and Reservoir Ave., etc., from C. D. Beckwith Inc., 301 West 108th St., (1) $3,290; Interborough Asphalt Co., (1) $4,175; Brusstar Constr. Co., Inc., Harlem River and 150th St., (1) $4,765; C. W. McDonald, 1910 Webster Ave., (2) $37,795; M. Delbalso, 660 East 221st St., (2) $46,297, (3) $124,069; McLaughlin & Buckley, (2) $47,863; J. L. Sigretto & Co., (3) $128,986; J. J. B. La Marsh, Inc., 1510 Appleton Ave., (3) $131,650. Noted Aug. 4.

★**N. Y., Ogdensburg**—City let contract paving various streets involving 14,000 sq.yd. concrete, to A. Yesue, 27 Carroll St., Binghamton, $39,947.

★**N. J., Trenton**—Bd. Freeholders Mercer Co. let contract paving 2 mi. Carter Rd. from Lawrenceville to point near Rosedale, waterbound macadam, to J. J. Barrett 147 Lafayette St., $156,072. Noted July 21.

★**N. J., Trenton**—City let contract improving Chambers St. and Princeton Ave., 4,500 ft. long, 20 ft. wide, to J. J. Barrett, 147 Lafayette Ave., $39,521.

★**Pennsylvania**—State Highway Dept., Harrisburg, let contract building Route 268, East Bethlehem Twp., Washington Co., to Kavanaugh-DeNire Constr. Co., 407 Mahoning Bank Bldg., Youngstown, O., $56,465. Noted Aug. 11.

★**Pa., Pittsburgh**—City let contract repaving East St. from Royal to Creek Sts., to Booth & Flinn, Ltd., 1942 Forbes St., $42,544. Noted August 4.

Streets and Roads (Continued)

★**Virginia**—State Highway Comn., 116 South 3rd St., Richmond, let contract constructing 9.77 mi. State Rd. 10 between Farmville and Prospect, Virginia Prospect 76, Prince Edward Co., 1.53 mi. concrete road and 8.24 mi. soil road, to Sanderson & Parker, Cartersville, $99.667. Noted July 21.

★**W. Va., South Charleston**—City let contract grading, curbing, edging and paving 6,000 lin. ft. 7th Ave. and D. St., involving 11,000 sq.yd. vitr. brick, 6,000 lin.ft. cement curbing and 4,000 lin.ft. cement edging, to Reed and Lapsley, South Charleston, $68,200.

★**North Carolina**—State Highway Comn., at div. office, Durham, let contract clearing, grubbing, grading, draining and paving 5.8 mi. State Project 573, Durham Co., to Hutton Eng. & Contg. Co., Savannah, Ga., $192,340. Noted July 28.

★**North Carolina**—State Highway Dept., at div. office, Tarboro, let contract grading and paving 9.57 mi. road between Greenville and Ayden, State Project 609, Pitt Co., to Cheatwood & Driscoll, 511 West 12th St., Richmond, Va. About $237,000.

★**S. C., Orangeburg**—Orangeburg Co. Highway Comn. let contract clearing, grubbing, grading and surfacing 19.88 mi. road from Orangeburg to Charleston, to J. K. Mayfield, Denmark, $64,292. Noted July 14.

★**Alabama**—State Highway Dept., Montgomery, let contracts grading, draining and surfacing 10.765 mi. road from Greenville to Lowndes Co. line, sand-clay, Butler Co., and 20.62 mi. road from Uriah to Monroeville, gravel, Monroe Co., to L. C. Rawlinson, Montgomery, $36,377 and $31,039 respectively. Noted Aug. 11.

Louisiana—State Highway Dept., Maison Blanche Bldg., New Orleans, opened bids Aug. 8, building (1) 5 mi. Sect. A. Leesville-Many Highway, (2) 5 mi. Leesville-Alexandria Highway, (3) 3.05 Bossier City-Coushatta Highway, Bossier Parish, (4) 5 mi. Sect. A, Leesville De Ridder Highway, (5) 5 mi. Leesville-Texas Highway, from Carr Constr. Co., Shreveport, (1) $31,358, (2) $39,239, (4) $38,381, (5) $44,210; S. A. Gano, Maison Blanche Bldg., New Orleans, (1) $32,475; Woodruff & Powers, Jackson, Miss., (1) $33,294, (2) $42,074, (4) $31,277, (5) $46,521; H. De Natton, Bossier City, (3) $7,013; W. H. Welsh, (3) $8,331; Hogstett & Co., (3) $8,343; A. D. Lambert Constr. Co., Marksville, (4) $30,638. Noted Aug. 4.

★**La., Gretna**—City let contract curbing and buidling 82,000 sq.yd. concrete sidewalks, to T. M. Johnson, 2323 Chestnut St., New Orleans, $304,555. Noted July 21.

★**Tennessee** — State Highway Dept., Nashville, let contract grading, draining and building bridges on 19.54 mi. road from Paris to Kentucky state line, Federal Aid Project 10, Henry Co., gravel, to Little & Dean, Shaw, Miss., $412,602. Noted July 21.

★**O., Cleveland**—Bd. Comrs. Cuyahoga Co. let contract improving Bway. 2, to Bentley Bros., 1836 Euclid Ave., $175,604; Bway. Rd. 3, to Rieley Bros., The Arcade. $159,075. Noted Aug. 11.

★**O., Cleveland**—City let contract grading, draining, curbing and paving Chestnut Hill Dr. to Cleveland-Trinidad Paving Co., The Arcade, $25,721. Noted June 30.

O., Cleveland—City opened bids Aug. 3, grading, draining, curbing and paving West 88th St. from Roehl Bros., West 25th St. and Clark Ave., $13,546, River Constr. Co., Schofield Bldg., $14,195; Chester Ave. from W. E. McHugh, 3855 West 44th St., $56,-172, Cleveland Trinidad Paving Co., The Arcade, $57,379. Work involves 9,700 cu. yd. earth excav., 8,372 sq.yd. asphalt, 45,-550 sq.ft. vitr. brick and 130,925 sq.ft. 8 and 6 in. concrete base, etc. Noted July 28.

O., Cleveland — Comrs. Cuyahoga Co. opened bids Aug. 3, improving Drake and Hunt Rds., involving 6,380 cu.yd. earth excav., 29,500 sq.yd. waterbound macadam on 4 in. concrete base, etc., from Ohio Contg. Co., Elyria, $112,140; R. E. Carey Co., West 112th St., $117,755. Noted July 21.

★**O., Steubenville**—Comrs. Jefferson Co. let contract paving 11,92[illegible] ft. Wharton Twp. Rd., vitr. brick, to Reagan & Lynch, Steubenville, $119,371.

★**Illinois**—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, let contracts to Harrington Bros., 3959 Flad Ave., St. Louis, Mo., paving 0.81 mi. Sect. 2-A Route 2, Jackson Co., $24,319. 3.7 mi. Sect. 5-A, Route 9, Woodford Co., $10,619; to New Era Constr. Co., 6548 Bosworth Ave., Chicago, 2.57 mi. Sect. 4-A, Route 9, Woodford Co., $36,481; 7.06 mi. Sect. 6-A, Route 13, Williamson Co., $41,822 5.48 mi. Sect. 7-A, Route 13, Williamson and Saline Counties, $37,772, 6.08 mi. Sect. 8-A, Route 13, Saline Co., $45,296; Nelson Bros., Jerseyville, D. 46 Sect. 57-A, Route 3, Jersey Co., $8,898, 0.25 mi. State Aid Sect. E. Calhoun Co., $3,132; Trompeter & Sons, Peru, 2.55 mi. Sect. I-1, Project 7, LaSalle Co., $62,231; C. Feiner, 6420 Wise Ave., St., Louis, Mo., 2.6 mi. Sect. 55-A, Route 3, Greene Co., $10,080; E. A. Lord Constr. Co., Monmouth, 2.11 mi. Sect. 21-A, Route 5, Stephenson Co., $11,498, 3.02 mi. Sect. 22-A, Route 5, Stephenson Co., $11,270, 2.53 mi. Sect. 23-A, Route 5, Daviess-Stephenson Counties, $10,-892; W. F. Lodge, Monticello, 2.18 mi. Sect. 5-X, Route 10, Pratt and Champaign Counties, $5,252, 3.90 mi. Sect. 6-X, Route 10, Pratt Co., $10,606, 1.44 mi. Sect. 7-X, Route 10, Pratt Co., $4,306; W. S. Shockley & Sons, Fairfield, 1.27 mi. Sect. 1-A, Route 14, Perry Co., $7,314 1.61 mi. Sect. 3-A, Franklin Co., $9,670; Buis & Olsen, St. Joseph Mo., 5.67 mi. Sect. 6-A, Route 31, Brown Co., $25,960, 6.8 mi. Sect. 8-A, Route 13, Brown Co., $26,137; M. R. Deyo, 1126 West Washington St., Peoria, 1.9 mi. State Aid. Sect. H, Macoupin Co., $6,489.

Ill., Chicago—Bd. Local Impvts., 207 City Hall, received bids paving (1) Beacon St. (2) Dobson Ave. (3) East 83rd St. (4) Greenview Ave. (5) Higgins Ave. (6) Keating Ave. (7) Lamon Ave. (8) Leland Ave. (9) Richmond St. (10) Troy St. (11) Winona St. (12) Kilpatrick St. (13) West 63rd St. (14) Lavergne Ave. (15) Lawler Ave. (16) Lockwood Ave. (17) Morgan St. (18) Peoria St. (19) San Jose St. (20) East 76th St. (21) Cregier Ave. (22) East End Ave. (23) West 18th St. (24) West 49th Pl. (25) West 52nd St. (26) Federal St. (27) Gladys Ave. (28) Hoyne Ave. (29) West 76th St. (30) West 13th St. (31) Turner St. (32) Norwood Park Ave., curbing (33) May St., from,

White Paving Co., 17 North La Salle St., (1) $36,752, (4) $11,257, (5) $32,371, (6) $10,321, (7) $11,026, (8) $27,299, (9) $27,-619, (10) $8,519, (11) $7,587, (12) $10,805, (21) $11,930, (26) $23,613, (28) $50,869.

R. F. Conway Co., 133 West Washington St., (1) $37,117, (4) $11,314, (5) $32,372, (6) $10,530, (8) $27,389, (9) $27,738, (10) $8,520, (11) $7,632, (12) $11,077, (15) $22,770, (16) $51,078, (17) $9,667, (18) $36,101, (19) $11,066, (20) $11,117, (22) $10,007, (23) $22,288, (24) $23,128, (25) $8,059, (28) $48,774, (29) $31,450, (30) $24,091.

Amer. Asphalt Paving Co., 133 West Washington St., (7) $11,115, (8) $27,904, (9) $27,853, (10) $8,618, (11) $7,711, (14) $54,079, (15) $21,587, (16) $49,691, (17) $9,922, (18) $36,298, (19) $11,531, (20) $11,034, (21) $11,481, (22) $10,117, (23) $21,921, (24) $23,250, (25) $8,101, (26) $22,276, (27) $38,435, (29) $32,153, (30) $24,366, (31) $9,240.

Standard Paving Co., 29 South La Salle St., (14) $53,901, (16) $49,863, (23) $22,231, (27) $38,584.

Commonwealth Impvt. Co., 133 West Washington St., (1) $37,233, (6) $10,440, (7) $11,339, (12) $10,917, (14) $55,990, (15) $22,493, (17) $9,692, (18) $36,731, (19) $11,402, (20) $10,988, (21) $11,337, (22) $9,985, (24) $23,634, (25) $8,335, (26) $22,563, (27) $39,473, (28) $49,693, (29) $32,695, (30) $24,747, (31) $9,265.

Calumet Coal Co., 9022 Commercial Ave., (2) $37,956, (3) $20,736.

Central Paving Co., 179 West Washington St., (2) $38,604, (3) $20,625.

J. A. McGarry & Co., 189 West Washington St., (2) $38,959.

Ryan Co., 4500 West Division St., (13) $102,485, (31) $9,200, (32) $123,434.

Ready & Callaghan Coal Co., 133 West Washington St., (13) $102,059, (32) $123,-840.

J. A. Sackley Co., 133 West Washington St., (3) $20,911, (13) $103,030, (32) $123,-939, (33) $29,978

W. P. Cagney, 133 West Washington St., (33) $29,353. Noted July 7.

★**Ill., Joliet**—City let contract paving Lime St., brick on concrete base, to J. V. McCarthy, Joliet, $25,411. Noted July 28.

★**Michigan**—State Highway Dept., Lansing, let contract to Remus Const. Co., Remus, grading, draining and surfacing State Trunk Line Rd. 13-20, Sects. A and C involve 15,765 cu.yd. earth excav., at $0.50 per cu.yd., 18.1 cu.yd. 1:2:4 and 22.1 cu.yd. 1:3:6 concrete, $19 and $17 respectively, 43,796 sq.yd. gravel surface, $1.05, Sect. B involves 1,869 cu.yd. earth excav., $0.60, 5.2 cu.yd. 1:2:4 concrete, $20, 5,266 sq.yd. concrete pavement, $2.89, total $71,-673. Noted July 21.

★**Michigan**—State Highway Dept., Lansing, let contract grading, draining and surfacing 3.883 mi. State Trunk Line Rd. 90-1 Sect. A, Dickinson Co., involving 36,451 sq.yd. gravel, to M. J. Bacco, Iron Mountain, $36,618. Noted July 21.

★**Michigan**—State Highway Dept., Lansing, let contract to L. J. Goldberg, Traverse City, grading, draining and surfacing 7 mi. State Trunk Line Rd. 20-18, Lake Co., involving 66,858 cu.yd. earth excav., at $0.475 per cu.yd., 189.6 cu.yd. 1:2:4 and 240.9 cu.yd. 1:3:6 concrete, $16.50 and $15.50 respectively, 7,896 lb. reinforcing steel, $0.07, 66,140 sq.yd. gravel surface (base course) $0.32, etc., total $67,161; to Smith & Eesley, Plainwell, grading, draining and surfacing State Trunk Line 62-2, Cass Co., Sect. B, involving 11,819 cu.yd. earth excav., $0.65, 48.5 cu.yd. 1:2:4 concrete, $18, 35,482 sq.yd. gravel surface, $1.15, etc., total $50,551; to G. H. Kimmerle, Cassopolis, grading, draining and surfacing Sect. C, involving 4,098 cu.yd. earth excav., $0.60, 5.1 cu.yd. 1:2:4 concrete, $20, 5,604 sq.yd. gravel surface, $1, etc., total $8,293. Noted June 2.

★**Mich., Big Rapids**—State Highway Dept., at office Bd. Rd. Comrs. Mescota Co., let contract grading and surfacing 1.647 mi. State Trunk Line Rd. 13-30 Sects. A and B, to Vander Veen Constr. Co., 320 Briarwood Ave., Grand Rapids, $42,371. Noted July 28.

★**Mich., Caro**—State Highway Dept. at office Bd. Rd. Comrs. Tuscola Co., let contract to Shulz & Liken, Sebewaing, grading, draining and surfacing State Trunk Line Rd. 31-8, involving 3,770 cu.yd. earth excav., at $0.55 per cu.yd., 8.6 cu.yd. 1:2:4 concrete, $25, 10,560 lb. pavement reinforcement, $0.06, 10,720 sq.yd. concrete pavement, $2.60, etc., total $31,980. Noted July 28.

★**Mich., Coldwater**—State Highway Dept. at office Bd. Comrs. Branch Co., let contract grading, draining and surfacing 1.225 mi. State Trunk Line Rd. 29-3, to Kalamazoo Paving Co., Kalamazoo, $44,-073. Noted July 28.

Mich., Detroit—City received bids from (a) Detroit Asphalt Paving Co., 20 McGraw Bldg., (b) Cleveland Trinidad Paving Co., 402 Hammond Bldg., shaping, grading and paving with sheet asphalt on 8 in. concrete base Cortland Ave. from 12th St. to Wabash Ave., (a) $12,728, (b) $12,519, Devereaux St. from Gilbert to alley east of Daniels Aves., (a) $14,678, (b) $15,095, Dane St. from Elmwood to Mt. Elliott Aves., (a) $29,560, (b) $30,464, Eastlawn Ave. from Mack to Canfield Aves., (a) $36,063, (b) $37,106, Fischer Ave. from Harper to Marcus Aves., (a) $38,581, (b) $39,152, Gladstone Ave. from Linwood to Lawton Aves., (a) $15,896, (b) $16,072, Hazelwood Ave. from Lawton to Dexter Blvd., (a) $32,349, (b) $32,688, Lumley Ave. from St. Stephens to Michigan Aves., (a) $28,982, (b) $29,800, Lambert Ave. from Helen to Frontenac Aves., (a) $9,189, (b) $9,522, Maxwell Ave. from Harper to Georgia Aves., (a) $29,215, (b) $29,808 Manistique Ave. from Charlevoix to Mack Aves., (a) $21,625, (b) $22,094, Quincy Ave. from Boston Blvd. to Collingwood Ave., (a) $14,721, (b) $14,925; resurfacing McGraw Ave. from Boulevard to Warren Aves., (a) $10,065, (b) $10,285, McGraw Ave. from Junction to Livernois Aves., (a) $12,810, (b) $13,090 ;surfacing Moran Ave. from Palmer to Milwaukee Aves., (a) $8,325, (b) $8,415, Palmer Ave. from McDougall to Beaufait Aves., (a) $5,180, (b) $5,236, Clairmount Ave. from Woodward to Linwood Aves., (a) $29,600, (b) $29,280, Livernois Ave. from Buchanan to Warren Aves., (a) $36,600, (b) $37,400; paving with sheet asphalt on 8 in. concrete base and Medina curbstone Grand River Ave., (a) $191,674, (b) $201,258. Noted July 7.

Mich., Detroit—Dept. Pub. Wks. opened bids July 25, from (a) Detroit Asphalt Paving Co., 20 McGraw Bldg., (b) Cleveland Trinidad Paving Co., 402 Hammond Bldg., grading shaping and paving with sheet asphalt on 8 in concrete base Canton Ave. from East Grand Blvd. to Harper Ave., (a) $35,090, (b) $35,991; Cascade Ave. from Joy Rd. to Burlingame Ave., (a) $59,345, (b) $59,538; Ford Ave. from 12th St. to Wabash Ave. (a)

Streets and Roads (Continued)

$14,188, (b) $14,021; Farnsworth Ave. from Russel to Riopelle Sts., (a) $8,635, (b) $8,781; Hilliger Ave. from Goethe to Mack Aves., (a) $23,640 (b) $23,976; Hamilton Ave. from Shoemaker to Harper Aves., (a) $32 900, (b) $33,309; Kerwin Ave. from Shoemaker to Harper Aves., (a) $36,632, (b) $37,278; St. Jean Ave. from Kercheval to Goethe Aves., (a) $44,968, (b) $45,207; Tuxedo Ave. from R. R. right of way to Linwood Ave., (a) $23,306, (b) $22 957; Wilson Ave. from Longfellow Ave. to Chicago Blvd., (a) $5,746, (b) $5,676; Webb Ave. from Linwood to Dexter Aves., (a) $49,664, (b) $49,230. Noted July 21.

★**Mich., Lapeer**—State Highway Dept., at office Bd. Rd. Comrs. Lapeer Co., let contract to Sugden & Van Cleve, Vassar, grading, draining and surfacing State Trunk Line Rd. 38-5, involving 21,852 cu.yd. earth excav., at $0.243, 138 cu.yd. 1:2:4, 17.7 cu.yd. 1:2½:5 and 118.4 cu.yd. 1:3:6 concrete, $13.30, 35,788 sq.yd. gravel surface, $1.108, etc., total, $52,369. Noted July 28.

★**Mich., Menominee** — State Highway Dept. at office Bd. Rd. Comrs. Menominee Co., let contract grading, draining and surfacing State Trunk Line Rd. 15-2 Sect. C-2, to A. Carlson, Menominee, $31,280. Noted Aug. 4.

★**Mich., Ontonagon** — State Highway Dept., at office Bd. Rd. Comrs. Ontonagon Co., let contract grading, draining and surfacing 5.155 mi. State Trunk Line Rd. 68-1, Sect. A-3 and B, involving 17,399 cu.yd. earth excav. and 49,142 sq.yd. waterbound macadam, to G. Fredeen, Norway, $49,029.

★**Mich., Port Huron**—State Highway Dept., at office Bd. Rd. Comrs. St. Clair Co., let contract to Palma Constr. Co., Ypsilanti, grading, draining and surfacing 7.06 mi. State Trunk Line Rd. 21-13, Sect. B involves 3,581 cu.yd. earth excav., at $0.75 per cu.yd., 11.2 cu.yd. 1:2:4 and 43.4 cu.yd. 1:3:6 cu.yd. concrete, $20 and $19 respectively, 992 lb. reinforcing steel, $0.07, 11.775 sq.yd. concrete pavement, $2.34; Sect. E. 134 sta.yd. grading, $10, 2,687 sq. yd. concrete pavement, $2.34; Sect. F. 185 sta.yd. grading, $10, 37,059 sq.yd. concrete pavement, $2.34, total $184,405. Noted July 28.

★**Mich., Traverse City** — State Highway Dept., at office Bd. Rd. Comrs. Grand Traverse Co., let contract to H. A. Hoxie, Three Rivers, grading, draining and surfacing State Trunk Line Rd. 11-12, Sect. A, involving 7,464 cu.yd. earth excav., at $0.60 per cu.yd., 23,471 sq.yd. concrete pavement, $2.16, total $55,811. Noted July 28.

★**Ia., Albia**—Monroe Co let contract grading 5 mi. Primary Rd. 78, west and south of here, involving 111,024 cu.yd. excav., to Carey-Smith Co., Des Moines, $0.325 per cu.yd. for excav., $1.50 for loose rock and $2.25 for solid rock. Noted May 12.

★**Ia., Algona**—Kossuth Co. let following contracts grading and draining 10.98 mi. Primary Rd. Project 6, from here, west to Palo Alto Co. line, involving 76,837 cu. yd. earth excav., 71,614 lin. ft. 6 in., 6,015 ft. 8 in. and 110 ft. 12 in. tile and 42 tile intakes; excavation, to Peterson, Shirley & Gunther, Omaha, Neb., $0.395 per cu. yd.; tile material delivered to Natl. Clay Wks., Mason City, 6 in. $0.05 per ft., 8 in. $0.08675, 12 in. $0.20; tiling, labor and intakes to E. S. Camden, Armstrong, 6 in. $0.064 per ft., 8 in. $0.09, 12 in. $0.15; Type A intakes, $23, B, $20.

Ia., Boone—City received lowest bid Aug. 3 paving 42,400 sq.yd. in 8th. Allen, 7th, West 3rd and Greene Sts., from W. Horrabin Constr. Co., 15 East College St., Iowa City, sheet asphalt, $2.49 per sq.yd., aphaltic concrete, $2.44. Bid rejected. O. Hile, city clk. Noted June 30.

Ia., De Moines—City received bids paving about 10 blocks Ingersoll Ave. from West 28th to 38th Sts., sheet asphalt, from J. Horrabin & Co., 1422 Walnut St., Des Moines $2.48 per sq.yd.; Wright Constr. Co., 211 Flynn Bldg., Des Moines, $2.53; McCarthy Impvt. Co., 220½ Main St., Davenport, $2.64. Noted July 7.

★**Ia., Greenfield**—Adair Co. let following contracts grading (1) 3.28 mi. Primary Rd. Project 162, from Adair to Cass Co. line, involving 64,599 cu. yd. earth excav., (2) 4.08 mi. Sect. B, Primary Rd. Project 28, from here, north, involving 60,129 cu. yd., to C. C. Barnes Co., 343-51st St., Des Moines (1) $0.234, (2) $0.254. Noted July 14 and 21.

★**Ia., Northwood**—Worth Co. let following contracts draining Primary Rd. Project 161, from Manly to Winnebago Co. line, through Northwood to Mitchell Co. line and from Cerro Gordo Co. line, north through here to Minnesota State line, involving 185.-735 ft. 6 in. tile, 7,700 ft. 8 in., and 31 intakes, to Mason City, Brick & Tile Co., Mason City, 55,617 ft. of 6 in. tile material $0.048 per ft., 48,900 ft. 6 in. $0.05, 18,328 ft. 6 in., $0.046, 62,800 ft. 6 in. $0.047, 4,800 ft. 8 in. $0.077, 1,800 ft. 8 in. $0.075, 1,100 ft. 8 in, $0.074; J. W. Fox, Clear Lake, 122,935 ft. 6 in. tile labor, $0.075 per ft., 6,700 ft. 8 in. $0.09, Type A intakes $30 each, Type B $25 each; N. C. Jensen, Carpenter, 62,800 ft. 6 in. tile labor $0.069 per ft., 1,000 ft. 8 in. $0.09, Type B intakes, $15 each.

★**Ia., Pierson**—City let contrac. grading and surfacing various streets with concrete, to J. F. Brooks, Pierson. About $25,000.

★**Minnesota**—State Highway Comn., 920 Guardian Life Bldg., St. Paul, let contract graveling 3.9 mi. State Project 41-21, to Dobbelman & Rasmussen, 4232 Colfax Ave., S., Minneapolis, $5,459; 7.5 mi. State Project 41-22, Div. A, to Dobbelman & Ramussen, 4232 Colfax Ave., S. Minneapolis, $3,306, Div. B, to Northern Road Constr. Co., Minneapolis, $16,247, graveling materials, to Medford Stone & Gravel Co., Medford, $6,852. Noted July 7.

★**Minn., Grand Rapids**—Itasca Co. let contract grading and building 27.7 mi. Babcock Highway from here to St. Louis Co. line at Keewatin, (broken stone, ready for surfacing), to H. W. Coons, 230 Center St., Hibbing, $798,634.

★**Minn., Hastings**—City let contract paving 15,000 sq.yd. 2nd and Sibley Sts., with bitulithic, to Bitulithic Contg. Co., Ltd., 601-2 Trust and Loan Bldg., Winnipeg, Man., $73,243; grading, to Truax & Winor, Hastings, $6,615. Noted July 14.

★**Minn., St. Paul**—City let contract repaving with sheet asphalt West 7th St. from Seven Corners to Tuscarora Ave., to Fielding & Shepley, 216 University Ave., $63,900. Noted July 28.

★**Minn., St. Paul**—City let contract paving about 10 blocks Maryland Ave. from Payne to Duluth Aves., with clay brick to Feyen Constr. Co., 277 Burgess St., $74,650. Noted July 21.

Minn., St. Paul—City received bid Aug. 8, paving about 12,000 sq.yd. Point Douglas Rd., from Burns Ave. to south city limits, from Hanlon & Okes, 338 Lumber Exch. Bldg., Minneapolis. $39,330. Noted Aug. 4.

★**Minn., St. Paul**—City will pave Jefferson Ave. from Snelling to Fredericks Aves., asphaltic concrete. Former bids rejected. Work will be done by force account. Noted July 21.

★**Kan., Wichita**—Sedgwick Co. let contract paving, grading and draining 5.6 mi. various roads, 18 ft. wide, bituminous-filled brick, to Stewart & Ritchie, Wichita, $286,-301.

★**N. D., Fargo**—Cass Co. rejected bids opened Aug. 10, grading and surfacing Red Trail, between Cheyenne River and railroad tracks at Mapleton. Work will be done by day labor. Noted July 28.

Montana—State Highway Dept., Helena, received bids building 18 mi. Pipestone Pass Rd., south of Butte, involving 62,000 cu.yd. rock excav., 122,300 sta. yd. overhaul, 2,600 lb. reinforcing steel, 15 acres clearing, 2 acres grubbing, etc., from Heiselt Constr. Co., Salt Lake City, Utah, $86,973; Nelson & Pederson, Park and Washington Sts., Butte, $87,311; L. T. Lawler, Butte, $87,822.

Montana—State Highway Dept., Helena, received bids building Yellowstone Trail, Federal Aid Project 82, Gallatin Co., from Pioneer Constr. Co., Bozeman (bituminous macadam), $188,022; Crown Paving & Constr. Co., Helena (Portland cement), $210,903; building 18 x 198 ft. steel bridge, steel-concrete abutments, from Buell Bridge Co., Missoula, $28,217; 3 concrete bridges, from A. B. Maugey, Bozeman, $13,982. Noted July 7.

★**Mo., Monett**—City let contract surfacing 3rd and 4th Sts., bituminous macadam on concrete base, to E. L. Meek & Co., Vinita, Okla. About $40,000. Noted July 14.

★**Mo., Trenton**—Grundy Co. let contract grading and draining Project 20.53, to G. E. Sampson, Pickett Rd., R. F. D. 4, St. Joseph. About $29,826. Noted Aug. 4.

Tex., Austin—G. S. Mathews, judge, Travis Co. received bids grading, surfacing, draining and building bridges on 9.15 mi. State Highway 20, in Kimbro Rd. Dist., from L. F. McMillan & Williamson Bros., Box 379, $131,558; Rice & Winder, 1101 West 22nd St., $135,489; S. D. Carr Constr. Co., Shreveport, La., $164,152. Noted July 28.

★**Tex., Burnet**—Burnet Co. let contract gravel surfacing 10 mi. Highway 36-B, 16 ft. wide, to S. M. Bush, Menger Hotel, San Antonio, $39,781. Noted June 30.

Tex., Richmond—C. D. Meyers, judge Ft. Bend Co. received bids gravel surfacing, bituminous topping and draining 13.01 mi. Highway 36 from Rosenberg to Austin Co. line, from Haden & Austin, 727 Kress Bldg. or Box 1145, Houston, $176,013; M. M. Craven, Bellaire, $190,968. Noted August 4.

★**Tex., Rusk**—Cherokee Co. let contract surfacing 25 mi. Rd. Dist. 4, sand clay, to Smith Bros., Crockett. About $125,000. Noted July 7.

★**Tex., San Augustine**—San Augustine Co. let contract clearing, grubbing, grading, graveling and draining 21 mi. Highway 21, to D. La Rue, Palestine, $217,407. Noted Aug. 4.

★**Tex., Waxahachie**—Ellis Co. let contract gravel surfacing and grading 7.18 mi. State Highway 14, south of Ennis, to Scarborough & Smith, Cleburne, $52,185. Gravel to be furnished by county. Noted Aug. 4.

Colorado—State Highway Dept., Denver, received bids paving 4.432 mi. Federal Blvd. Rd. between Denver and Broomfield, 18 ft. wide, one course plain cement concrete, Federal Aid Project 129, Adams Co., from C. E. Madsen, Denver Athletic Club, Denver, $142,376; Peterson, Shirley & Gunther, Woodmen of World Bldg., Omaha, Neb., $142,441; J. E. Young (Rourke & Clark), 1267 South Race St., Denver, $148,747.

★**Oregon**—State Highway Comn., Salem, let contract grading 16.8 mi. highway in Lake Co., to Lake Co. Court, Lakeview, $57,715, 10.8 mi. in Lincoln Co., to A. Giebisch, Portland, $83,415; grading and macadamizing coast highway in Clatsop Co., to J. Slottle & Co., Astoria, $45,203, 2.7 mi. in Wheeler Co., to D. F. Murphy & Co., Boise, Idaho, $34,856; paving 7.8 mi. in Linn Co., to A. D. Kern, Portland, $237,131.

★**Cal., Los Angeles**—City let contract grading, asphalt paving, curbing, guttering and laying sidewalks on 3rd St. between Western and Norton Aves., involving 159 lin.ft. cement curbing, 3,098 sq.ft. concrete gutter, 124 sq.ft. cement sidewalks, and 89,222 sq.ft. grading and asphalt paving, to Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg., $29,086.

Cal., Los Angeles—City received bids paving Santa Monica Blvd., from La Brea to Fairfax Ave., from E. L. Garrettson, 1216 2nd St., Santa Monica, $48,679; C. E. Frisbie, Los Angeles, $49,022; Wells & Bressler, California Bank Bldg., Santa Anna, $51,181. Noted July 28.

★**Que., Westmount**—City let contract paving 217 yd. Grosvernor, 2,035 yd. Roslyn, and 2,094 yd. Upper Lansdowne Sts. and 560 yd. Belfridge Rd., sheet asphalt, to Quinlan, Robertson & Janin, 50 Notre Dame St. W., Montreal, $75,815.

Industrial Works

PROPOSED WORK

Mass., Boston—Royal Curtain Co., 11 Summer St., having plans revised by J. A. Mastrangelo, archt., 369 Hanover St., for 1 story, 85x160 ft. factory, brick, on Hyde Park Ave. About $40,000. Noted July 21.

Mass., North Adams—Ward Bros., North Troy, N. Y., plan to build 1 or 2 story, garage, service station and vulcanizing plant on Lincoln and Center Sts., here. Private plans.

R. I., Providence—Williams & Anderson Co., 33 Broad St., plans to build large factory on block bounded by Highland Ave., North Main, 3rd and 4th Sts. Architect not selected.

Conn., New Haven—Estate of E. Malley, 902 Chapel St., having plans prepared by Westcott & Mapes, Inc., engrs. and archts.

Industrial Works (Continued)

207 Orange St., for 1 story, 90 x 100 ft., brick and rein.-con. power house on Temple St. About $150,000.

N. Y., Utica—Utica State Hospital, Marcy Div., soon receives bids building 2 story 70x110 ft. cold storage building also 1 story, 39x160 ft. kitchen building, brick and steel, concrete foundations. About $65,000 and $35,000 respectively.

Pa., Philadelphia—City plans to build and equip 2 power houses. About 1,000,000. A. Smyth, dir. city transit.

Pa., Pittsburgh—G. Finley, Kirkpatrick St. and Bedford Ave., had plans prepared by C. R. Geisler, archt., 237 4th Ave., for 2 story, 88x90 ft. brick and steel garage, rein.-con. flooring. About $40,000.

Pa., Sunbury—W. H. Leed, archt., 32 South 16th St., Phila., soon receives building 2 story, 70 x 130 ft., bakery, concrete, brick and steel, rein.-con. flooring, concrete foundation, at 249 Eckman St., for Butter Krust Baking Co., c/o B. Apple, on premises. About $150,000.

O., Cleveland—A. H. Berg, 9610 Pierpont Ave., plans to build 1 story, brick and timber garage and commercial, brick foundation, on East 93d St. and St. Clair Ave. About $40,000. Private plans.

O., Cleveland—W. F. Walker, 891 East 123d St., had plans prepared for 1 story, 46 x 80 ft., brick garage, brick foundation, at 351 East 152d St. About $40,000. Private plans.

Ill., Chicago — S. Buchsbaum & Co., 159 North State St., plans to build 6 story, 100 x 175 ft., rein.-con. factory and office on East Huron and Fairbank Sts. About $300,000. Architect not selected.

Wis., Milwaukee — Best Block Co., 1228 Humboldt Ave., opens bids about Aug. 22, building 1st unit of factory, 1 story, 50 x 60 ft., concrete foundation. About $40,000. J. Menge, 296 West Water St., archt.

Ia., Eldora—T. Larson, having plans prepared by W. L. Pedicord, archt., Iowa Falls, for 1 story, 64 x 128 ft. brick and tile garage. About $40,000.

BIDS DESIRED

Conn., New Haven—Brown & Von Beren, archts., 185 Church St., receiving bids building 1 story, 60 x 140 ft. brick and steel garage and service station, rein.-con. flooring, concrete foundation, on George St., for W. E. Malley, 305 St. Ronan St.

Conn., New Haven—Nat., Folding Box & Paper Co., James St., receiving bids building 62 x 142 ft. factory, 55 ft. high, on James St. About $150,000. Westcott & Mapes, 207 Orange St., archts. and engrs.

N. Y., New York—R. H. Macy & Co., 34th St. and Bway., soon lets contract building 8 story, brick, steel and concrete factory, rein.-con. flooring, concrete foundation, on 35th St. and 11th Ave. About $300,000. R. D. Kohn, 56 West 45th St., archt. and engr.

Pa., Harrisburg—Until Sept. 7, at office of T. W. Templeton, supt. Pub. Grounds & Bldgs., constructing garage. C. A. Keyworth, Capitol Bldg., archt.; advertised in this issue.

Pa., Phila.—Brighton Worsted Co., Tioga and D Sts., receiving bids building 3 story, 32 x 55 ft. spinning factory. About $70,000. Private plans. Noted August 11.

Pa., Pittsburgh—Kingan Provision Co., c/o S. F. Heckert, Bessemer Bldg., and F. T. Lewis, 2816 North Delaware St., Indianapolis, Ind., associated archts., receiving bids constructing 4 story, 48x100 ft. plant, concrete, brick and steel, rein.-con. flooring, at 112 Pennsylvania Ave. Cost between $90,000 and $100,000.

Ill., Chicago — W. C. Bennett, archt. c/o Yellow Cab Co., 57 East 21st St., receiving bids building 1 story, 140x250 ft., brick and concrete garage, on Flourmor and Lavergne Sts. About $100,000.

Ill., Chicago—Schmidt, Garden & Marvin, archts., 104 South Michigan Ave., receiving bids building 4 story, 54 x 72 ft., brick, concrete and stone factory, at 1743 Larrabee St., for Hetzel & Co., 739 Larrabee St. About $85,000.

Ill., Chicago—B. H. Stephens, archt., 37 West Van Buren St., receiving bids building 1 story, 208 x 230 ft., brick factory, Lake and Albany Aves., for G. A. Ball Bearing Co., 3051 West Lake St. About $65,000.

Wis., Milwaukee—Until Aug. 23, by Klug & Smith, archts. and engrs., 69 Wisconsin St., building 1 and 2 story, 136 x 140 ft., brick, concrete and steel garage, rein.-con. flooring, concrete foundation, on South Pierce and Clinton Sts., for Milwaukee Western Fuel Co., 120 Wisconsin St. Cost between $90,000 and $100,000. Noted July 7.

Mo., St. Louis—Until Aug. 23, by Klipstein & Rathman, archts., Chemical Bldg., constructing 1 story, 107 x 132 ft. enameling plant, brick and steel, on Bway. and Madison St., for Standard Stamping Co., c/o G. Wiegand, 2000 North Bway. About $50,000.

PRICES AND CONTRACTS AWARDED

(★Indicates contract awarded)

★**Mass., Malden**—Revere Knitting Mills let contract building 2 story, 50 x 100 ft., concrete and brick factory; concrete foundation, on Eastern Ave., to Hub Constr. Co., 34 School St., Boston. About $50,000.

★**Mass., New Bedford**—J. B. Ashley, 366 Union St., let contract building 1 story, 60 x 200 ft. garage and service station, brick and cement, rein.-con. flooring, concrete foundation, on Mill St., to J. W. Bishop Co., Times Bldg., New Bedford. About $40,000.

★**R. I., Woonsocket**—Shambow Shuttle Co., 583 Main St., let contract building 3 story, 84 x 158 ft., brick and timber factory, concrete foundation, on North Main St., to Eastern Constr. Co., 660 Winter St. About $125,000.

★**N. J., Camden**—Wilson Motor Co., 1721 Haddon Ave., let contract building 1 story, 60 x 200 ft. brick plant, to J. M. Yardley, 1716 Sansom St., Phila. About $40,000.

★**N. J., Woodstown**—South Jersey Farmers Exch. will build 1 story fertilizer plant and warehouse, brick and steel, along railroad tracks. About $50,000. Work will be done by day labor. Private plans.

★**O., Cleveland**—Bryant Auto Co., 3191 West 25th St., let contract building 3 story, 80 x 180 ft., brick and concrete garage, rein.-con. flooring, brick foundation, on West 25th St. near Clark Ave., to Bolton-Pratt Constr. Co., Columbia Bldg. About $150,000. Noted July 28.

★**O., Cleveland**—Cretney Co., 14453 Euclid Ave., let cotract building 2 story 70x128 ft., brick and steel garage, on Euclid and Eastham Aves., to J. E. Christian Co., 1307 St. Clair Ave. About $50,000. Noted Dec. 23.

★**O., Cleveland**—Ohio Provision Co., 6201 Walworth Ave., let contract building 2 story, 45 x 101 ft., brick, steel and concrete factory, rein.-con. flooring, brick and concrete foundation, to W. I. Thompson & Son Co., 5103 Euclid Ave. About $40,000.

★**O., Columbus**—Columbus Show Case Co., 423 North Grant Ave., let contract building 1, 2 and 3 story, 53x84 ft. brick and concrete addition to factory, to E. K. Hibbs, 8 East Long St. About $40,000.

★**Ill., Blue Island**—Amer. Fire Fabric Co., c/o C. K. Anderson, pres., 2085 La Salle St., Chicago, let contract building 1 story, 100 x 184 ft., brick and steel warehouse and factory, on 136th St. and Western Ave., to A. and E. Anderson, 195 La Salle St., Chicago. About $150,000.

★**Ill., Chicago**—E. W. Bredemeier & Co., 213 North Morgan St., let contract building 3 story, 125 x 132 ft., rein.-con. and brick printing plant, at 314-20 South Honore St., to R. C. Weiboldt, 1534 West Van Buren St. About $250,000.

★**Ill., Chicago**—A. M. Castle & Co., 715 North Morgan St., let contract building 1 and 2 story, 210 x 230 ft., brick and steel warehouse, at 715 North Morgan St., to B. W. Constr. Co., 10 South La Salle St. About $150,000. Noted April 7.

★**Ill., Chicago** — H. T. McFarlane, 532 South Canal St., let contract building 6 story, 115 x 116 ft., rein.-con. factory, on Green and Van Buren Sts., to Adams Constr. Co., 217 Clarkson St. About $400,000.

★**Ill., Chicago**—Seventh St. Bldg. Corp., c/o W. Jordan, 110 South Dearborn St., let contract building 1 story, 112 x 165 ft., brick and concrete garage, at 704 South Wabash St., to Hennessy Bros. & Co., 810 South Dearborn St. About $60,000.

★**Ill., Chicago**—Sewell Clapp Envelope Co., 23 Desplaines St., let contract building 1 and 2 story, rein.-con. and brick printing plant, on Belmont and Tripp Sts., to R. C. Weiboldt, 1534 West Van Buren Ave. About $250,000. Noted Mar. 10.

★**Que., Montreal**—Grand Central Park, Ltd., 169 St. James St., let contract building 5 story, 45x150 ft. rein.-con. and brick factory, on Jurors and St. George Sts., to M. F. Byers, Ltd., 340 University St. About $200,000.

Buildings

PROPOSED WORK

Conn., Meriden—Hospital — City Hospital, Cook Ave., having plans prepared by C. S. Palmer, archt., 114 Whitney Ave., New Haven, for 3 story, brick, steel and rein.-con. addition. About $300,000. Noted Dec. 16, 1920.

Conn., Middletown—Laboratory — Wesleyan University, 374 High St., plans to build 2 story, 100 x 160 ft., brownstone and rein.-con., on campus. About $300,000. H. Bacon, 101 Park Ave., New York City, archt.

Conn., New Britain—School and Dormitory—State Bd. Educ. Hartford, having plans prepared by Guilbert & Betelle, archts., 2 Lombardi St., Newark, N. J., for 2 and 3 story, at State Normal School, on Camp St., here. About $1,000,000.

Conn., New Haven — Dormitory and School—Apostolic Sisters of the Sacred Heart, Prince St., plans to build 3 story, brick and rein.-con. addition on Grand St. About $150,000. Architect not selected.

Conn., Waterbury—School and Hall—St. Francis Xavier Church, 625 Baldwin St., plans to build 2 story, brick, steel and concrete, on Baldwin St. About $150,000. Architect not announced.

N. Y., Bay Shore—Hospital—Southside Hospital having plans prepared by York & Sawyer, archts., 50 East 41st St., New York City, for brick, steel and stone, concrete foundation. About $200,000. F. Sutton, 140 Cedar St., New York City, engr.

N. Y., New York—Apartment—D. S. Lang, archt. and engr., 110 West 34th St., prepared plans for 5 story, 90 x 100 ft., brick and steel, concrete foundation, on Valentine and Briggs Aves., Bronx. About $300,000. Owner's name withheld.

N. J., Atlantic City — Hotel — Rankin, Kellogg & Crane, archts., 1012 Walnut St., Phila., receives bids about Oct. 1, building 13 story, rein.-con., brick and steel addition, rein.-con. flooring, rock foundation, on North Carolina Ave. and Beach for Leeds & Lippincott. About $2,000,000. Noted Jan. 20.

Pa., Phila.—Bank and Office Bldg. Mills & Van Kirk, archts., Harrison Bldg., soon lets contract building 3 story, 19 x 101 ft., steel, stone and brick, on Broad and Dickerson Sts., for Sons of Italy State Bank, 7th and Christian Sts. About $160,000. Noted Aug. 11.

Va., Roanoke—High School—City having preliminary plans prepared by H. C. Richard, archt., 2006 Green St., Phila., Pa., for 3 story, brick and cut stone. About $500,000.

W. Va., Logan—High School—Bd. Educ. opens bids about Aug. 30, building 120x140 ft. About $300,000. R. M. Bates, Jr., 1st Natl. Bank Bldg., Huntington, archt.

N. C., High Point—Bank—J. E. Cox plans to build 7 story, 50 x 115 ft., probably brick. About $200,000.

Fla., Tallahassee—Capitol—State Bd. Institutions opens bids early in October building two 3 story, 50x100 ft. wings, concrete and brick. About $250,000. Noted Aug 11.

Fla., Tampa—Bank and Office—Exchange Natl. Bank, 601 Franklin St., plans to build 8-15 story, rein.-con., steel, brick, marble and terra cotta, rein.-con. flooring, concrete and rock foundation, on Franklin St. Cost between $250,000 and $500,000. A. C. Clewis, Boulevard St., Pres. Architect not selected.

Buildings (Continued)

La., Baton Rouge—Hotel—A. Glassell, Shreveport, plans to build hotel on Lafayette and Convention Sts., here. About $600,000.

La., New Orleans—Stores, etc.—L. Jacobs & A. D. Danzinger, 802 Perdido St. plan to build 7 stores, 4 or 5 stories high, 120 ft. on North Rampart St., 120 ft. on Basin St. and 128 ft. on Canal St. About $250,000. Roof garden will be constructed on top of stores, about $50,000.

Ky., Ashland—Bank and Office—Ashland Natl. Bank plans to build 11 story bank and office. About $250,000.

Ky., Ashland—Temple—Ancient Free & Accepted Masons plans to build 6 story temple. About $250,000.

O., Alliance—Commercial and Club—F. O. E. 224 soon lets contract building 3 story, 46 x 110 ft., brick steel and concrete, rein.-con. flooring, brick and concrete foundation. About $175,000. Albrecht, Wilhelm & Kelly, 1836 Euclid Ave., Cleveland, archts. Noted July 28.

O., Bedford—Church and School—Cleveland Catholic Diocese, c/o J. R. Hayes, pastor, 1017 Superior Ave., plans to build 1 and 2 story, brick, steel and concrete, rein.-con. flooring, brick and concrete foundation. About $200,000. Archtitect not selected.

O., Canton—Bank and Office—First Savings & Loan and Dollar Loan & Savings Companies plan to build 5 story, on Court and Tuscarawas Sts. W. About $300,000. Address E. E. Mack, c/o Dollar Loan & Savings Co., 312 Market Ave., S.

O., Cleveland—Apartment—T. Horobin, 2859 Eaton Rd., having lans prepared by Whitworth & Johnston, archts., 413 Engineers' Bldg., for 4-story, 200 x 250-ft. concrete and brick, rein.-con. flooring, brick foundation, on Shaker Blvd. near East 128th St. About $350,000.

O., Westerville—High School—City defeated $205,000 bonds to build high school and $20,000 bonds to repair present building. Noted July 28.

Ind., Lafayette—Hospital—St. Elizabeth Hospital, 14th and Hartford Sts., having plans prepared by D. X. Murphy & Son, archts., Louisville Trust Bldg., Louisville, Ky., for 4-story, 44 x 115 ft., brick addition, rein.-con. flooring. About $225,000.

Mich., Birmingham—Hotel and Theatre—Birmingham Hotel & Amusement Co. c/o M. H. Finkel, archt., 333 Majestic Bldg., Detroit, having plans prepared for 4 story, 60x150 ft., concrete, brick and steel, rein.-con. flooring, concrete foundation, on Woodward Ave. About $200,000.

Mich., Detroit—Theatre—C. W. Brandt, archt., 1114 Kresge Bldg., preparing plans for 2 story 115x135 ft., rein.-con., brick, stone and steel, rein.-con. flooring, concrete foundation. About $150,000. Owner's name withheld.

Mich., Lansing—Mausoleum—Peninsular Mausoleum Co. having plans prepared by S. Lovell, archt., 30 North Michigan St., for 1 story, 60x130 ft. marble. About $300,000.

Mich., Traverse City—Hotel—E. L. Sheers & Co., 10 South La Salle St., Chicago, having plans prepared by W. W. Ahlschlager, archt., 65 East Huron St., Chicago, for 3 story, 60 x 95 ft., rein.-con. and brick. About $150,000.

Ill., Champaign — Horticultural — Illinois State University having plans prepared by Holabird & Roche, archts., 104 South Michigan Ave., Chicago, for 2 story, rein.-con. and brick. About $200,000.

Ill., Chicago—Apartment—Levy & Klein, archts., 111 West Washington St., preparing plans for 3 story, 125 x 153 ft., concrete and brick on Fargo Ave. and Sheridan Rd. About $175,000. Owner's name withheld.

Ill., Chicago—Bank—Bowmanville Natl. Bank, 4800 North Western Ave., having plans prepared by W. G. Uffendell, archt., 39 South State St., building 3 story, 75 x 110 brick and stone, on Western and Lawrence Aves. About $250,000.

Ill., Chicago—Club—Chicago Yacht Club, Monroe and Lake Shore Sts., had plans prepared by A. M. Rebori, archt., 410 South Michigan Ave., 2 story, 60 x 80 ft., rein.-con., brick and stone, in Lincoln Park. About $250,000. Noted Dec. 9.

Ill., Chicago—Hotel—Parkdale Hotel, c/o O. F. Mateer, 105 North Clark St., having revised plans prepared by Ronneberg, Pierce & Bauber, archts., 10 South La Salle St., and soon receives bids building 3 story, 65 x 110 ft., brick and stone, on Sedgwick and Garfield Sts. About $150,000.

Ill., Chicago — Stadium — South Park Comrs., c/o C. L. Hutchinson, 57th St. and Cottage Grove Ave., had plans prepared by Holabird & Roche, archts., 104 South Michigan Ave., building stone, marble and concrete, seating capacity 100,000, on Roosevelt Rd. and Lake Front. About $1,500,000.

Ill., Chicago — Store and Office — Home Bank & Trust Co. (Owner's agents), Ashland and Milwaukee Aves., plans to build 6 story, 72 x 130 ft., rein.-con. and brick, at 1309 South Michigan Ave. About $250,000. Owner's name withheld. Architect not selected.

Ill., Chicago—See "Industrial Works."

Ill., Evanston—Museum and Library—Garrett Biblical Institute, c/o C. M. Stuart, Memorial Hall, having plans prepared by Holabird & Roche, archts., 104 South Michigan Ave., Chicago, for 2-story, rein.-con., brick and stone. About $600,000.

Ill., Quincy — Lodge — Elks Lodge 100, c/o G. Levi, plans to build 3 story, rein.-con., brick, steel and stone. About $360,000. Architect not selected.

Ill., Taylorville—School—Bd. Educ., c/o J. F. Henson, clk., plans to build brick and stone. About $150,000. Architect not selected.

Wis., DePere—High School—School Bd. having plans prepared by Foeller, Schober & Stephenson, archts., Green Bay, for 2 story, rein.-con. and brick, rein.-con. flooring, concrete and brick foundation. Cost between $150,000 and $200,000.

Wis., Dousman—Home—Masonic Home Assn., c/o A. Matheson, Chn., 624 St. Lawrence Ave., Janesville, having plans prepared by A. D. Koch, archt., 120 Wisconsin St., Milwaukee, and receives bids in fall, building 2 story, 100x200 ft., brick and concrete here. About $250,000.

Wis., Kenosha—Apartment—H. R. Gordon, 274 Lake Ave., having revised plans prepared by F. O. DeMoney, archt., 5 North La Salle St., Chicago, for 3 story, 90 x 195 ft., brick and stone. About $200,000.

Neb., Lincoln—High School—Bd. Educ. having plans prepared by Fiske & Meginnis, archts., Bankers Lift Bldg., for 3 story, 168 x 258 ft., rein.-con., brick, stone and terra cotta, 23d and Vine Sts. About $750,000. J. G. Ludlam, secy.

Mo., Columbia—Club—Order of Masonic Lodges c/o H. H. Kempster, having plans prepared by H. S. Hill, archt., Miller Bldg., for 2-story, brick, semi-fireproof construction. About $225,000. Noted April 28.

Mo., Columbia—Hospital—State Hospital Comn., Jefferson City, plans to build 3 story, brick, here. About $250,000. Architect not selected.

Mo., Columbia—Student Servcie—Men's Club of Episcopal Church, c/o W. L. George, pastor, having plans prepared by H. S. Hill, archt., Miller Bldg., for 3 story, 52 x 145 ft., brick and stone. About $150,000. Noted July 14.

Mo., St. Louis—Stores—F. L. Cornwall and S. Hamburg, Jr., La Salle Bldg., having plans prepared by W. S. Frank, archt., Century Bldg., for 2 story, 75 x 100 ft., brick and rein.-con., on Delmar Blvd. west of Clara Ave. About $180,000.

Mo., St. Louis—Stores—S. Hamburg, Jr., La Salle Bldg., having plans prepared by J. T. Craven, archt., Century Bldg., for 2 story, 75 x 113 ft., rein.-con., brick and steel, on De Ballvier and Waterman Aves. About $150,000.

Tex., Ft. Worth — Church, c/o L. W. Eaton, 1515 Lipscomb St., having plans prepared by C. Allen, archt., 209½ West 8th St., for 2 story, rein.-con. and hollow tile. About $150,000.

Tex., Houston—Church and Office Bldg.—First Baptist Church, c/o R. J. Cummins, engr., 203 Stewart Bldg., having plans prepared by C. D. Hill & Co., archts., Sumpter Bldg., Dallas, for 2 story, brick and steel, concrete foundation. $1,000,000.

Que., Montreal—Hospital—A. Harwood, supt. St. Justine Hospital, St. Denis St., soon receives bids building 5 story, 55x114 ft., brick and steel, concrete foundation. About $220,000. J. Lamarre, c/o owner, Archt.

BIDS DESIRED

Mass., Stanford—Hall and School—Until Sept. 1, by Dr. Dean Memorial Comn. c/o M. B. Harding, archt., 33 Elm St., Westfield, building 2 story, 60 x 142 ft., brick and steel, concrete foundation, on the Common. Noted July 21.

Mass., Hull—Fire and Police Station—Until Aug. 22 by Town Bldg. Comn., building 3 story, 52 x119 ft. and 1 story, 58 x 88 ft., brick and stone, rein.-con. flooring, concrete foundation, on Atlantic Ave. About $150,000. P. Varney, Lynn, archt.

Mass., Malden (Boston P. O.) Court House—Until Aug. 30 by Comrs. Middlesex Co., (Cambridge), building 1 and 2 story, 92 x 116 ft., steel, granite and brick, here. About $225,000. C. R. Greco, 8 Beacon St., Boston, archt. Noted June 9.

Conn., Hartford—Hospital—C. J. Malmfeldt, archt., 206 Trumbull St., receiving bids building 7 story, 50 x 160 ft., brick, steel and rein-con. addition, rein-con. flooring, concrete foundation, for Hartford Hospital, 20 Hudson St. About $500,000. Noted June 16.

N. J., Kearny (Arlington P. O.)—High School—Until Sept. 16, by Bd. Educ., Town Hall, building 2-story, 175 x 250 ft. Guilbert & Betelle, 546 Broad St., Newark, archts; advertised in this issue. Noted Aug. 4.

Pa., Johnstown—Theatre and Hall-R. and J. Farkus, Fairfield Ave., receiving bids building 2 story, 44 x 123 ft., concrete, brick and steel, rein.-con. flooring. About $150,000. M. Nirdlinger, Empire Bldg., Pittsburgh, archt.

Pa., Mahanoy City —Bank Bldg.—Until Sept. 1, by B. R. Steven, archt., 1737 Filbert St., Phila., building 1 story, 25 x 125 ft., steel and stone, on Center and Main St. for Union Natl. Bank. About $150,000. Noted July 28.

Pa., Phila.—Stations—Until Aug. 30, by F. H. Craven, dir., Dept. of City Transit, constructing 2 elevated railroad stations on Kensington and Huntington Sts., brick, terra cotta, tile and marble, about $100,000; also station platforms at Hunting St., involving 140,000 lb. structural steel, 1,000 lb. steel reinforcing rods, 1,000 lb. miscellaneous iron castings, etc., about $50,000. H. H. Quimby, 1211 Chestnut St., engr.

Pa., Pittsburgh—Store—J. Horne Co., Pennsylvania Ave. and 5th St., receiving bids building 7 story, 120 x 200 ft., concrete brick and steel addition, rein.-con. flooring, on Pennsylvania Ave. Cost between $1,500,000 and $2,000,000. B. Jansenn, Century Bldg., archt.

Pa., Upper Darby—School—Until Sept. 1, by School Directors building 2 story, 58 x 144 ft., stone, rock foundation, on Drexel Hill. About $150,000. H. W. Castor, 1104 Stephen Girard Bldg., archt.

W. Va., Cairo—High School—Until Aug. 23, by Bd. Educ., building 3 story, brick and stone. About $150,000.

Miss., Magee—Infirmary, etc.—Until Aug. 27, by State, c/o T. C. Link, dir. Pub. Wks., P. O. Box 636, Jackson, constructing, nurses home, white infirmary, negro infirmary, service, and recreation buildings, power house and laundry room, at tuberculosis sanitarium here. Former bids rejected.

O., Cleveland—Commercial—W. S. Ferguson Co., archts., 1900 Euclid Ave., receiving bids building 2 story, brick and steel, brick foundation, on East 69th St. and Euclid Ave., for Templar Realty Co., Natl. Bldg. About $150,000. Noted July 28.

O., Niles—Theatre and Office—Simons, Brittain & English, archts., Magee Bldg., Pittsburgh, receiving bids building 1, 2 and 3 story, 63 x 178 ft., concrete, brick and steel, rein-con. flooring, here, for McKinley Theatre Co., Niles. About $150,000.

O., Struthers—High School—Until Aug. 29, by Bd. Educ. building 2 story, brick, steel and concrete, rein.-con. flooring, brick and concrete foundation. About $300,000. Miller & Son, 408 Dollar Bank Bldg., Youngstown, archts.

Mich. Detroit—Apartment—Until Sept. 1, by H. T. Miller, archt., 320 Lightner Bldg., constructing 4 story, 65 x 170 ft., rein.-con., brick and steel, concrete foundation. About $150,000. Owners name withheld.

Mich., Detroit—Police Station and Armory—Until Sept. 1, by J. Inches, Police Comr., Bates and Farmer Sts., building 9 story, 117x172 ft. station and 3 story,

Buildings (Continued)

99x168 ft. armory, rein.-con., brick, steel and stone, on St. Antoine St. A. Kahn, 1000 Marquette Bldg., archt.

Mich., Detroit—School—Until Aug. 22, by C. A. Gadd, business mgr. Bd. Educ., 1354 Bway., building 2 story, 71x115 ft. and 71x100 ft., rein.-con., steel and brick additions, rein.-con. flooring, concrete foundations, on West Grand Blvd. and Georgia Ave. About $200,000. Malcolmson, Higginbotham & Palmer, 405 Moffat Bldg., archts.

Mich., Detroit—Store and Office—Until Aug. 25, by C. F. Barnes, archt., West Adams Ave., building 2 story, 60x300 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Grand River Ave., for Tireman Bros., c/o architect. About $150,000.

Mich., Fraser—Church—Until Aug. 23, by W. C. Rein, secy. Evangelist Lutheran Church, building 2 story, brick and steel, concrete foundation. About $150,000. McFarlane, Maul & Lenz, 1259 Book Bldg., Detroit, archts.

Ill., Chicago — Apartment — E. E. Hall, archt., 123 West Madison St., Chicago, receiving bids building 6 story, 85 x 150 ft., rein.-con. and brick, on Kenmore and Balmoral Aves., for S. J. Schaeffer, 155 North Clark St. About $600,000. Noted June 3.

Ill., Chicago—Nurses Home—M. J. Sturm, archt., 116 South Michigan Ave., receiving bids building 4 story, 95 x 145 ft. rein.-con. and brick, on Sedgewick and Garfield Aves., for Augustanna Hospital Assn., 2043 Cleveland Ave. About $300,000.

Ill., Chicago—Store and Loft—Levy & Klein, archts., 111 West Washington St., receiving bids building 2 story, 150 x 105 ft., brick and concrete, on 61st and Halsted Sts., for E. Sidder, 6242 South Halsted St. About $100,000.

Wis., Milwaukee—Temple—Until Aug. 25, by R. E. Oberst., archt., 307 Grand Ave., building 1 story, 95 x 115 ft., brick and concrete, rein.-con. flooring, concrete foundation, for Excelsior Lodge, 110 Reed St. About $150,000. G. Waetjen, chn.

Ia., Des Moines—Deaconess Home—Until Aug. 23, by Proudfoot, Bird & Rawson, archts., Hubbell Bldg., constructing 4 story, 60 x 128 ft., brick and stone, on 9th and Pleasant Sts., for Womens Home Missionary Society, c/o A. E. Grigfith, 1341 Jefferson St. About $150,000.

Ia., Fairfield—Church—Until Aug. 30, by G. A. Carpenter, archt., Liggett Bldg., constructing 3 story, 66 x 132 ft. brick, steel and concrete, for Methodist Church Congregation, c/o C. L. Tennant. About $150,000. Noted July 28.

Minn., Mankato — Junior High School — Until Sept. 6, by Bd. Educ., building Lincoln Junior High School, 3 story, 168 x 224 ft., rein.-con., brick and tile. About $350,000. G. Pass & Son, Mankato, archts. Noted June 2.

Neb., Fremont—Church—Until Aug. 23, by Methodist Episcopal Church and W. C. Jones, archt., 30 North Michigan St., Chicago, building 2 story, 60 x 115 ft., brick, stone and terra cotta. About $150,000. E. D. Hull, pastor.

Col., Denver—Armories—Until Sept. 1, by State Adjutant General, building 11 armories, each 2 story, brick, concrete foundations, at Sterling, Manzanola, Canon City, Delta, Craig, Ft. Morgan, Fruita, Lamar, Brush, Brighton and Monte Vista. About $300,000. A Young, c/o Natl. Guard, State House, archt.

PRICES AND CONTRACTS AWARDED

(★Indicates contract awarded)

★**N. H., Berlin** — High School — City let contract building 3 story, 152 x 168 ft., brick, rein.-con. flooring, concrete foundation, here, to F. A. Rumery, 21 Portland St., Me., $265,133. Noted July 21.

★**Mass., Belchertown**—Dormitory and Custodial—State Dept. Mental Diseases, 109 Statehouse, Boston, let contract constructing 3 story, 33 x 89 ft. custodial building with 33 x 84 ft. and 21 x 33 ft. wings, also 3 story 33 x 90 ft. dormitory, with two wings, 20 x 40 ft. here, to D. Hanos, 575 Main St., Springfield, $182,841. Noted July 14.

★**Mass., Boston**—Hospital—City let contract building 4 story, 43 x 142 ft., brick and stone addition, to Thorndike Memorial Hospital, rein.-con. flooring, brick foundation, on Harrison Ave., to J. Bowen Co., 184 Dudley St. About $313,000. Noted July 28.

★**Mass., Boston**—Office—Trustees of India Bldg., c/o W. C. Appleton and F. Stearns, archts., 53 State St., let contract building 11 story, concrete, brick and steel addition, concrete foundation, on State St., to W. A. and H. A. Root, 1 Beacon St. About $125,000. Noted Apr. 14.

Mass., Boston — School — School Comn. received bids Aug. 12. building Lewis School, 2 story, 80x117 ft., brick, on Walnut Ave., from J. Bowen Co., 184 Dudley St., $171,500; T. O'Connor & Co., Cambridge, $173,492; Walsh Bros., Cambridge, $180,000. Noted Jan. 6.

★**Mass., Worcester**—Mercantile-Sawyer Associates, 66 Lincoln St., let contract building 3 story, 70 x 99 ft., steel, limestone and granite, concrete foundation, on Main and Federal Sts., to Keefe Bros., Clark Bldg. About $150,000. Noted July 14.

R. I., Providence—Business—W. T. Grant Co., 30 West 23rd St., New York City let contract building 3 story, (ultimately 7 story) 40 x 185 ft., concrete, brick and steel, rein.-con. flooring, concrete foundation, on Westminster and Matthewson Sts., here, to Interstate Constr. Co., 334 Westminster St. About $175,000.

★**Conn., Meriden**—Church—First Church of Christ Scientist, 658 Colony St., let contract building 1 story, 40 x 100 ft., brick and steel, brick and concrete foundation, at Bradley Park, to H. Wales Lines Co., 134 State St., Meriden. Noted June 30.

N. Y., Buffalo—Hotel—Hotel Statler Co., Washington St., will build 17 story, 84 x 130 x 279 x 292 x 348 ft., brick, steel and limestone, concrete foundation, on Delaware Ave. and Niagara Sq., etc. About $5,500,000. Work will be done by separate contracts. G. B. Post, 101 Park Ave., New York City, archt. and engr. Noted April 21.

★**N. Y., New York**—Apartment—Mt. Hope Holding Co., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 5 story, brick, steel and stone, concrete foundation, on 177th St. and Walton Ave., Bronx. About $250,000. Work will be done by day labor.

★**N. Y., New York**—Church and Settlement House—Unitarian Church, 500 2d Ave., Pelham, let contract building 3 story, brick, steel and stone, concrete fuondation, at 244 Cathedral Parkway, here, to Burke Bros. Constr. Co., 1480 Bway. About $500,000.

★**N. Y., New York**—Educational-Amer. Academy of Arts & Letters, Inc., c/o McKim, Mead & White, archts. and engrs., 101 Park Ave., let contract building 3 story, 83 x 100 ft., brick, steel and stone, concrete foundation, at 629 West 155th St., to Hegeman-Harris Co., 185 Madison Ave. About $300,000. Noted July 21.

★**N. Y., New York**—Exchange—New York Telephone Co., 15 Dey St., let contract altering present 6 story building and constructing 6 story, 100x140 ft. side addition, brick, stone and steel, on Convent Ave. and 14th St., to I. S. Rossell, 1 Madison Ave. About $300,000.

N. Y., S. I. St. George—Station House and Prison—Police Dept., City Hall, New York City, opened bids Aug 15, building new station house and prison for 66th Police Precinct, on northwestern corner formed by intersection of Richmond Terrace and Walls St., here, from Anderson & Wheeler, 1571 Richmond Terrace Port Richmond, $237,885, $262,885; Burke Bros. Constr. Co., 1476 Bway., New York City, $254,000, $280,000; Nugent Constr. Corp., 505-5th Ave., New York City, $259,785, $282,000.

★**Va., Richmond**—Schools—City let general contract building 2 story, 93 x 157 ft., on 34th St. and Semmes Ave., to J. Fox & Sons, 25th and Franklin Sts., $109,490; 2 story, 110 x 156 ft., on Fendale and Crawford Sts., to J. T. Nickols, 11th and Main Sts., $110,000.

★**N. C., Greensboro** — Dormitories — Bd. Trustees and J. I. Foust, pres. North Carolina College for Women, let contract constructing 3 dormitories and west wing of McIver Bldg., on campus, to J. Jones Constr. Co., Realty Bldg., Charlotte, $364,310. Noted July 21.

★**La., New Orleans**—Hospital—Eye, Ear, Nose & Throat Hospital, 165 Elks Pl., let contract building 4-story, 44 x 109 ft. steel and rein.-con., to G. J. Glover, Whitney Central Bldg. About $335,000. Noted Feb. 10.

★**O., Alliance** — High School — Bd. Educ. let contract building 2 story, 114 x 172 ft., brick, steel and concrete addition, to A. F. Wendling Co., Massillon, $188,126. Noted Aug. 4.

★**O., Cleveland** — Apartment — N. Weltman, 3350 Ormand Rd., let contract building 3 story, 43 x 150 ft., brick and steel, brick foundation, at 1920 East 101st St., to Cooper & Berkowitz, Linn Dr. About $150,000. Noted April 28.

★**O., Cleveland** — Commercial — Frankel Light Co., 5016 Woodland Ave., let contract building 4 story, 66 x 154 ft., brick and steel, brick foundation, on West 6th St. and St. Clair Ave., to J. Miller, 2381 East 46th St. About $150,000. Noted Aug. 4.

O., Cleveland Heights (Warrensville, P. O.)—School—Bd. Educ., Lee Rd., opened bids Aug. 5, building 3 story, brick, steel and concrete, on Taylor Rd., from Hearn Const. Co., 4501 Euclid Ave., Cleveland, $303,560; Drummond-Miller Co., 4500 Euclid Ave., Cleveland, $304,940; Tenbusch-Parker Constr. Co., Union Bldg., Cleveland, $314,788. Noted July 28.

★**O., Dayton**—Convent and Chapel—Sisters of Precious Blood, 605 Xenia Ave., let contract building 3-story, brick and concrete, rein.-con. flooring, concrete foundation, on Salem Pike, to Danis Hunt Constr. Co., 907 Schwind Bldg. About $850,000.

O., Dayton — School — Bd. Educ., Steele High School Bldg., opened bids Aug. 3, building school, on Jackson St., from Drummond-Miller Co., 4500 Euclid Ave., Cleveland, $347,130; Danis-Hunt Constr. Co. 1st and Webb Sts., $358,353; D. W. McGrath & Son, New 1st Natl. Bank Bldg., Columbus, $368,000.

O., Elyria — Schools, etc. — Bd. Educ. received bids Aug. 9 building Roosevelt School, 2 story, also 2 story, 82x121 ft. school, including heating plants, brick, steel and concrete, rein.-con. flooring, brick and concrete foundations, from L. A. Burgett Co., Lorain, $345,251; J. Kaiser & Bro., Elyria, $367,000; G. Kratt, Lorain, $370,000. Noted Aug. 4.

★**O., Toledo**—School—Bd. Educ. let contract building Oakdale-White School, 3 story, 70x300 ft., brick, steel and concrete, rein.-con. flooring, brick and concrete foundation, to A. Bentley & Son, 201-31 Belmont Ave. About $500,000.

★**Ill., Chicago**—Bank and Office—Lake Shore Trust & Savings Bank, c/o North Town Bldg. Corp., E. N. Winston, pres., 38 South Dearborn St., let contract building 4 story, 99 x 117 ft., rein.-con. and brick, at 140-46 East Ohio St., to J. Rodatz, 209 South La Salle St. About $300,000. Noted Mar. 10.

★**Ill., Chillicothe** — High School — Bd. Educ. let contract building 2-story, 104 x 120 ft., rein.-con., brick, stone and steel, to Illinois Constr. Co., 111 West Washington St., Chicago. About $150,000. Noted July 28.

★**Ill., Decatur** — Sanitarium — Macon County Tuberculosis Assn., c/o T. B. Samuels, secy., let contract building 2 story, rein.-con., steel and stone, to McDonald & Baker, Conklin Bldg. About $150,000. Noted June 16.

★**Ill., Winchester** — High School — Bd. Educ., c/o W. Wainwright, let contract building 3 story, 100 x 140 ft., brick, stone and steel, to Buerkin & Buerkin, Quincy. About $150,000. Noted June 9.

Mich., Ironwood—Municipal—City opened bids Aug. 9, building brick and concrete, rein.-con. flooring, concrete foundation, from Albinson Constructing Co., 717 Nicollet Ave., Minneapolis, $263,230; W. D. Lovell, 1415 8th St., Minneapolis, $275,000; H. Evers, 1603 Washington St., Minneapolis, $281,253.

★**Ia., Clinton** — Hospital — Jane Lamb Memorial Hospital let general contract building 4 story, rein.-con., brick, stone and tile addition, to Haring Bros., 402 Wilson Blvd. About $400,000.

★**Minn., Collegeville** — Bldg. Hall — St. Johns University let general contract building 5 story, 50 x 150 ft., rein.-con., brick, tile and stone, to Gauger-Korsmo Constr. Co., 301 Endicott Bldg., St. Paul. About $200,000.

Buildings (Continued)

★**Minn., Rochester**—Hospital—St. Marys Hospital, let general contract building 6 story, rein.-con., brick, tile and stone addition, to Heffrom-Fitzgerald Constr. Co., Rochester. Total cost about $2,000,000.

★**Kan., Wichita**—Theatre and Commercial—Miller Amusement Co., Palace Theatre, let contract building 3 story, 140 x 150 ft., on North Lawrence St., to W. M. Southerland Bldg. & Constr. Co., Syndicate Trust Bldg., St. Louis, Mo. About $600,000. Noted August 4.

★**Mo., Kansas City** — Apartment — C. O. Jones, Commerce Bldg., will construct 4-story, 46 x 132-ft. brick, stone and steel, on 42nd & Locust Sts. About $150,000. Work will be done by day labor. N. E. Peters, c/o owner, archt. Noted Aug. 11.

★**Mo., Kansas City**—High School—Bd. Educ. let contract building Lincoln High School, 4 story, 55x140 feet., brick, stone and rein.-con., on Tracy St., between 18th aid 19th Sts., to J. P. J. Morley, Scheidley Bldg. About $150,000.

Tex., College Station—School—State let contract constructing 2 agricultural buildings and engineering shops, rein.-con., at A. & M. College, here, to Wattinger Bros., Austin. About $400,000. Noted June 30.

★**Okla., Clinton**—Hospital—State Bd. Pub. Affairs, 22d and Lincoln Sts., Oklahoma City, let contract building 2 story, rein-con. and brick addition, here, to Manhattan Constr. Co., 3rd and Fondulac Sts., Muskogee. About $150,000.
E & D

Federal Government Work

PROPOSED WORK

Wis., Milwaukee — Hospital — U. S. Government, c/o Bd. Managers of Natl. Soldiers' Homes, Dayton, O., having preliminary plans prepared by Scott & Mayer, archts., 445 Milwaukee St., Milwaukee, for 2 story, brick and concrete, on Soldiers' Home Grounds, here. About $1,400,000. Schenck & Williams, Dayton, O., superv. archts.

BIDS DESIRED

Ill., Belleville — Airship Hangar — Until Sept. 15, at office of Chief of Construction Service, Room 2242, Munitions Bldg., Wash., D. C., constructing steel airship hangar at Scott Field, here; advertised in this issue.

Ill., Chicago—Reservoir—Until Aug. 29, by Treas. Dept., Wash., D. C., constructing at Broad View U. S. Public Health Service Hospital, 2, here. J. A. Wetmore, superv. archt.

Ill., Monmouth — Mailing Shed, etc. — Until Aug. 26, by Treas. Dept., Wash., D. C., constructing mailing shed and altering first floor, U. S. Post Office, here. J. A. Wetmore, acting superv. archt.; advertised in this issue.

PRICES AND CONTRACTS AWARDED

(★Indicates contract awarded)

★**R. I., Providence**—Dredging—U. S. Engineer let contract dredging in New Haven Harbor, Conn., to J. S. Packard Dredging Co., 104 Turks Head Bldg., Providence, R. I. About $40,000. Noted July 28.

★**N. Y., Buffalo**—Riprap—U. S. Engineer let contract furnishing and placing riprap stone on Neck of Presque Isle Peninsula, Erie Harbor, Pa., to Harbor Impvt. Co., Cleveland, O. $34,500. Noted July 21.

★**N. Y., New York**—Dredging—U. E. Engineer, 2nd Dist., Room 616, Army Bldg., let contracts dredging in Shrewsbury River and Keyport Harbor, N. J. to J. P. Randerson, 51 State St., Albany, $14,900, and Taylor Dredging Co., Com'paw Ave., Jersey City, N. J., $11,225. Noted July 7.

★**N. Y., New York** — Drill Boat — U. S. Engineer, First Dist., Room 710, Army Bldg., 39 Whitehall St., let contract constructing and delivering drill boat for East River, to Dravo Cont. Co., Diamond Bank Bldg., Pittsburgh, Pa., $431,500. Noted May 26.

★**Pa., Pittsburgh** — Lock Valves — U. S. Engineer let contract furnishing and delivering for Lock 5, Allegheny River, to Variety Iron & Steel Wks. Co., Hamilton Ave. and East 40th St., Cleveland, O., $4,477. Noted Aug. 4.

★**Md., Baltimore**—Dredging—U. S. Engineer let contract dredging in Tangier Channel, Va., to W. H. French Dredging & Wrecking Co., Arcade Bldg., Norfolk, Va., $12,201. Noted June 23.

Va., Yorktown — Water and Sewerage Systems — Spec. 4449 — Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids constructing at Navy Mine Depot, here, from J. R. Proctor, Inc., 120 Liberty St., New York City, $84,980 (120 days); B. Pizzimenti, 2555 Rhode Island Ave., N.E., Hyattsville, Md., $87,260 (150 days); Wingo & Deaner, P. O. Box 816, Richmond, $88,087 (120 days). Noted Aug. 4.

Va., Yorktown—Water Tanks and Towers—Spec. 4357—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids constructing, here, (1) work complete from Penn Bridge Wks., Clinton, Ia., (1) $11,350 (120 days), (2) $15,400 (120 days); Pittsburgh-Des Moines Steel Co., Munsey Bldg., Wash. D. C., (1) $14,970 (120 days), (2) $7,540 (120 days), (3) $7,480 (120 days; Chicago Bridge & Iron Co., 30 Church St., New York City, (1) $17,650 (120 days). Noted Aug. 4.

★**Tenn., Memphis**—Levee Work—Mississippi River Comn., 1st and 2nd Dists., Custom House, let contracts constructing levee work in Upper and Lower St. Francis and Reelfoot Levee Dists., to Roach, Stansell, Laurance Bros., & Co., Savings Bank Bldg., North Memphis, $56,240; in White River Levee Dist., to J. A. Burt, Gunnison, Miss., $5,775. Noted March 17 and July 7.

★**Tenn., Nashville**—Steel Barges—U. S. Engineer let contract for two steel barges to Midland Barge Co., Midland, Pa., $27,760. Noted June 16.

★**Tex., Galveston** — Submerged Riprap Spurs—U. S. Engineer let contract constructing from North Jetty at Port Arkansas, to C. Clark & Co., 111 Security Bldg., Galveston, $115,834. Noted July 14.

★**Cal., San Diego**—Sprinkler System—Spec. 4466—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract installing in storehouse, Naval Base, here, to Western Automatic Sprinkler Co., 1031 Van Nuys St., San Francisco, $18,380 (180 days). Noted Aug. 4.

Miscellaneous

PROPOSED WORK

Garbage Collection Trailer System—New Orleans, La.—City Council plans to expend $151,800 for garbage collection trailer system. This amount will cover the budget for 8 motor trucks, cost $34,000; additional crane to be used at dump, $15,000; additional switch tracks and gravel roadway, $4,000. A. Klorer, city engr.

Incinerators — New Orleans, La. — City plans to construct garbage incinerator system. Bids will soon be received for building to house equipment, etc. J. Klorer, city engr.

Garbage Incinerator—Fargo, N. D.—City plans to erect garbage incinerator. About $30,000. A. R. Watkins, clk.

Paving Materials—St. Paul, Minn.—City rejected bids received July 5, furnishing materials for paving Maryland Ave. between Payne and Duluth Aves. See item under "Streets & Roads"—Prices and Contracts Awarded. Noted July 21.

BIDS DESIRED

Dock—Mamaroneck, N. Y.—Until Aug. 23, by Bd. Trustees building dock near Harbor Island. L. Harding, pres.; advertised in this issue.

Gyratory Crusher, etc.—New York, N. Y.—Until Aug. 24, by H. H. Curran, pres. Manhattan Boro, Municipal Bldg., furnishing and installing gyratory crusher, inclined bucket elevator and asphalt mixer, etc. and furnishing and erecting new structural steel, cutting and re-erecting new structural steel, cutting and re-erecting existing steel, in Municipal Asphalt Plant, 90th St. and East River.

Culverts, etc.—New Jersey—Until Aug. 31, by State Highway Comn., Broad St. Bank Bldg., Trenton, constructing two reinforced double concrete culverts, wing walls, balustrades and asphalt block pavement, on route beginning at Egg Harbor and ending at West Cape May, in proximity of Estellville, municipality of Weymouth, Atlantic Co. C. A. Mead, 790 Broad St., Newark, bridge engr.; advertised in this issue.

Pier—Philadelphia, Pa.—Until Sept. 9, by G. F. Sproule, dir. Dept. Wharfs, Docks and Ferries, constructing superstructure Chestnut St. Pier 4, South Delaware River; advertised in this issue.

Motor Truck—Wauwatosa, Wis.—Until Sept. 2, by A. Brigham, city clk., furnishing motor truck, 1 ton capacity.

Lighting System—Jackson, Minn.—Until Aug. 23, by City, c/o B. H. Strom, clk., installing ornamental street lighting system on about 8 blocks. About $25,000. A. Kerr & Co., 240 LaSalle Bldg., Minneapolis, engrs.

Wharf and Shed—Houston, Tex.—Until Sept. 1, by City Secretary, constructing 480 ft. creosoted timber pile wharf and corrugated iron transit shed, 180 ft. wide, together with necessary grading and railroad tracks. E. E. Sands, city engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Pier—East Braintree, Mass., State Pub. Wks. Dept., 420 State House, Boston, received bids Aug. 5, excavating and building 190 x 200 ft. and 51 x 350 ft. wood and concrete pier, here, from W. L. Miller Co., 147 Alfred St., Charlestown, $187,918; Bay State Dredging Co., 62 Condor St., Boston, $197,148; Aberthaw Constr. Co., 27 School St., Boston, $210,763.

Sand — New York, N. Y. — Bd. Purch. Municipal Bldg., opened bids Aug. 15, furnishing and delivering sand to Dept. Parks, Bronx, from Ames Bldg. & Material Co., 3437 Kingsbridge Rd., $2,072; J. Paladino, $2,100; Lanigan Bros., Bronx River and 165th St., $2,400.

Wood Paving Blocks—New York, N. Y.—H. H. Curran, pres. Manhattan Boro, Municipal Bldg., opened bids Aug. 9, furnishing and delivering 5,500 sq.yd. wood paving blocks, from Amer. Creosoting Co., 17 Battery Pl., (a) $2.29 per sq.yd., total cost $12,595, (b) $2.13, $11,715, (c) $1.99, $10,945; W. J. Fitzgerald, 547 West 45th St., (a) $2.39, $13,145. Noted Aug. 4.

Heating System — Wash., D. C. — Dist. Comrs., 509 Dist. Bldg., received bids furnishing and installing complete 2 pipe vacuum heating system in Gallinger Hospital, 19th St. and Massachusetts Ave., from Federal Heating Co., 310 13th St. N.W., $50,814 (100 days); Globe Automatic Sprinkler Co., 2035 Washington St., Phila., $53,000; Shevlin Eng. Co., 110 West 34th St., New York City, $54,807. Adv. Aug. 4.

Wharfs and Sheds—New Orleans, La.—Bd. Port Comrs., New Court House Bldg., opened bids Aug. 9, constructing wharf and approaches at foot of Charbonnet St., from Dalgarn Constr. Co., Louisiana Bldg., $99,450, J. Reiss, Carondelet Bldg., Carondelet and Gravier Sts., N., $100,650, Waddell & Juliani, 1204 Jackson Ave., $100,674. Noted Feb. 10.

Foundation—Ashtabula, O.—City received bids building foundation of 1 story, 50 x 50 ft. power plant, brick, steel and concrete, from Hughes & Foulkrod, Oliver Bldg., Pittsburgh. Total cost $100,000. Noted Feb. 24 under "Industrial Works."

★**Concrete Piles, etc.—Milwaukee, Wis.**—Sewerage Comn. let contract for 23,000 lin. ft. concrete piles cast in place, for machinery foundations for main power house on Jones Island, to E. D. Watt, licensee for Raymond Concrete Pile Co., 111 West Monroe St., Chicago, at $1.74 per lin. ft. Former contract rescinded. Noted July 21.

★**Cast Iron Water Pipe—Manitowoc, Wis.**—City let contract furnishing 1 carload c.i. water pipe, to Natl. Cast Iron Pipe Co., 122 South Michigan Ave., Chicago, $44.85 per ton.

★**Paving Materials — St. Paul, Minn.**—City let contracts to T. McDonald, 1541 Ashland Ave., for furnishing 935 cu.yd. crushed rock for concrete base, at $2.44 per cu.yd. delivered, 561 cu.yd. concrete sand, $1.30, 384 cu.yd. fine asphalt sand, $1.90, and 190 cu.yd. coarse asphalt sand, $1.44; to St. Paul Builders Materials Co., 605 Ryan Annex, 1,330 bbl. Portland cement, $2.55; Minnesota Crushed Stone Co., 1500 Johnson St., N. E., Minneapolis, 115 ton limestone dust, at $5.50 net delivered; Trap Rock Co., Bway. and K. St., Minneapolis, 137 ton traprock, $2.47 f.o.b. cars; J. L. Shiely Co., 305 Dakota Bldg., 275 ton binder stone, etc., $1.70 delivered. Noted July 21.

★**Swimming Pool—St. Louis, Mo.**—J. J. Jamieson, archt., Security Bldg., let contract to Southerland Constr. Co., Syndicate Trust Bldg., constructing 1 story, 75x170 ft., brick, stone and rein.-con. swimming pool, for Washington University, Skinker Rd. and Forsyth St. About $150,000. Noted July 21.